

# AUTOMOTIVE ELECTRICAL ACCESSORIES

## Catalogue



ashdown  
ingram

COVS  
Automotive, Mining & Industrial Supplies

GLOBAL  
AUTO SPARES

GPC COMMERCIAL  
ASIA PACIFIC

NAPA AUTO PARTS

RAE  
AUTO PARTS



# NO MATTER WHERE YOU BUY FROM, WE'VE GOT YOUR ONLINE ORDERING SOLUTION

Whether you buy your parts from Ashdown-Ingram, Covs, NAPA Auto Parts or any of our partner businesses, we've got a reliable online system to suit your business. With access to over 40,000 parts, even more vehicle applications and orders filled by your local branch, we've got the technological solutions to improve efficiencies in your workshop.

ashdown  
ingram



<https://quantumpro.com.au>



<https://napaprolink.com.au>

Covs



<https://prolink.gpcasiapac.com>

Visit [discoverquantumpro.com.au](https://discoverquantumpro.com.au) to understand how ordering online can benefit your business



# CONTENTS

## BRAKING, VOLTAGE CONTROL & SOLAR

Brake Controllers	16
Smart Battery Isolators	20
Voltage Control	26
Solar	30

## BATTERIES, CHARGERS & ACCESSORIES

Battery Chargers	40
Batteries	49
Battery Accessories	59

## SWITCHES, RELAYS & SOLENOIDS

Toggle	76
Rocker	83
Micro	99
Relays	111
Solenoids	119

## CIRCUIT PROTECTION

Fuses & Fuse Holders	127
Fusible Link	131
Circuit Breakers	143

## CABLE

Automotive Cable	153
Battery & Starter Cable	164
Marine Cable	166

## CONNECTORS

Anderson	173
Deutsch	174
Crimp Terminals	195
Plugs & Sockets	203

## CABLE ACCESSORIES

Convolute Tubing	231
Ties & Clips	245

## CAMERAS, AUDIO & SECURITY

Horns & Back - Up Alarms	253
Cameras	259
Pilot Lights	263
Security	265

## ENTERTAINMENT & COMMUNICATION

UHF Radios	267
Antennas, Brackets & Receivers	269

## GAUGES & TIMING DEVICES

Gauges	278
Timers	279

## ELECTRIC FANS & PUMPS

Thermo Fans	296
Pumps	305

## TOOLS & WORKSHOP CONSUMABLES

Hand Tools	307
Workshop Consumables	312

## FAST FIND

332

**A**

Accessory Plugs and Sockets	203-205
Accessory Socket Mounting Panels	206-208
Adaptors Brass	287
Adhesive Tape	314-316
Aerostart Spray	318
Air Compressor	275
Air Horns	253
Alarms	265
Alligator Clips	62-32
Ammeter	205, 278
Anderson Plugs	173-174
Antenna Brackets	269
Antenna UHF	270-271
Anti - Corrosion Washers	67
Automatic Reset Circuit Breaker	143-145
Automotive Electronic Cleaner Spray	321
Automotive Silicone Spray	319

**B**

Back Up Alarms	254-258
Back Up Cameras	259-261
Back - Up Light Switch	95
Batteries	49-58
Battery & Starter Cable	164-166
Battery Boxes	59-60
Battery Cable	170-172
Battery Chargers 240V	40-46
Battery Chargers DC-DC	20-23
Battery Clamps	63
Battery Clips	63
Battery Feed Stud	191
Battery Hold Down Brackets	60

Battery Isolators	23-25
Battery Jumper Terminals	190-191
Battery Load Tester	48
Battery Lugs	68-69
Battery Maintenance Spray	318
Battery Management System	20-23
Battery Master Switches	103-108
Battery Monitors	47-48
Battery Relays	115-116
Battery Terminal & Lug Assortment	67
Battery Terminal Cleaning Spray	318
Battery Terminal Insulators	70-71
Battery Terminal Protector Spray	318
Battery Terminals	64-67
Battery Testers	48
Battery Trays	61
Blade Fuses	127-130
Blow Torch	313
Boost Gauge	278
Booster Cable	61-62
Booster Clamps	63
Brackets Gauge	291-292
Brackets UHF Antenna	269
Braided Sleeving	241-244
Brake Away Switch	17
Brake Control Cable	163
Brake Control Units	16-18
Brakleen	318
Brass Adaptors	287
Bus Bars	191-192
Butane Gas	313
Buzzers	253-254



<b>C</b>	
Cable	153-172
Cable Assemblies	171-172
Cable Battery & Starter	164-166
Cable Clips	247-249
Cable Cutters	307-308
Cable Five Core Sheathed	161, 163
Cable Glands	238
Cable Harness Protection	234-244
Cable Joiners	69
Cable Lug Tool	309-310
Cable Lugs	68-69
Cable Marine Battery	169
Cable Marine Single Core	167-168
Cable Marine Three Core Sheathed	169
Cable Marine Twin Core Sheathed	169
Cable Nineteen Core Marine	170
Cable Seven Core Flat Sheathed	162
Cable Seven Core Sheathed	162
Cable Single Core	153-157
Cable Single Core Sheathed (Gas)	158
Cable Speaker	159
Cable Three Core Sheathed	161
Cable Tie Edge Clips	247
Cable Tie Mount	246
Cable Ties	245-246
Cable Twin Core	158-159
Cable Twin Core Sheathed	159-160
Cable Welding	165-166
Camera and Screen Systems	259-261
CAT Spec Deutsch Plugs	179, 185
Central Locking Kits	265

Charge Equalisers	29
Chassis Clips	247
Cigarette Lighter Plug	29
Circuit Breakers	143-147
Circuit Tester	310-311
Clock	278
Coil Spring Type Limit Switch	101
Computer Safe Circuit Tester	11
Condenser Fans	296-302
Conduit	234-237
Conduit Connectors	238-241
Conduit Edge Clip	248
Connector Assortment Kits	183-185, 201
Connector Covers	173-174
Connectors (Anderson) Heavy Duty Two Pole	173-174
Connectors 2 - Way Blade	187-189
Connectors 7 Pin Flat Trailer Plug	211
Connectors 7 Pin Flat Trailer Socket	211-213
Connectors Heavy Duty Two Pin	214
Connectors Male Blade Insulated	195-199
Connectors Male Blade Non Insulated	200
Connectors Male Bullet Insulated	195-919
Connectors Pin	195, 197
Connectors Q.C	187-189
Connectors Spade	195-199
Continuous Duty Solenoids	119-122
Convuluted Tubing	234-237
Convuluted Tubing Connectors	238-241
Covers To Suit Anderson Plugs	173-174
CRC Products	318-322
Crimp Terminals	195-201

**C (continued)**

Crimp Tools	308-310
Crimping Tool Heavy Duty Cable Lug	309-310
CTEK Battery Chargers	35-46

**D**

DC-DC Battery Charger	20-23
Denso Tape	316
Deutsch Connectors	174-185
Deutsch Removal Tool	182
Digital Multimeters	328-329
Dipper Switches	96
Disc Horns	253
Distribution Blocks	190
Door Actuator	265
Door Switches	95
DT Connector Kits	177
DT Connectors	178
DTM Connector Kits	175
DTM Connectors	176
DTP Connectors	179
Dual Battery Isolators	23-25
Dual Battery kits	24
Dual Swivel Spacer	246
Dual Wall Heat Shrink	232-233

**E**

Electrical Parts Cleaner Spray	321
Electrical Tape	315
Electronic Flashers	116-117
Emergency Stop Switch	102-103
Engine Shut Down Solenoids	124-125
Engine Temperature Monitor	283-284
Ezy - Tap Connectors	201

**F**

Fabric Field Coil Tape	314
Fridge	273
Five Core Cable	161, 163
Flasher Modules	116-117
Flasher Units	116-117
Flat Seven Core Cable	162
Flexible Leaf Micro Switches	100
Fluorescent Light Inverters	26
Folding Solar Panels	30
Fuel Filter	326
Fuel Gauges Electric	279
Fuel Level Sender	288
Fuel Pump Fittings	326
Fuel Pump Selector Valve	325
Fuel Pumps	323-326
Fuse Assortments	133-134
Fuse Block	137
Fuse Box	139-141
Fuse Holders	134-139
Fuse Holders Water Proof	137-139
Fuses Glass	127
Fuses Low Profile Mini Blade	127-128
Fuses Maxi Blade	130
Fuses Mega	131
Fuses Midi	130
Fuses Mini Blade	128-129
Fuses Standard Blade	129
Fuse Taps	142-143
Fusible Links	131-133

**G**

Gauge Panel	291-292
-------------	---------



Gauges	278-287
Glass Fuse	127
Glow Plug Timers	292
<b>H</b>	
Hand Brake Alarm	280
Hand Cleaner	317
Hayman Reese Brake Control Units	16
Head Units	266-267
Heat Shrink	231-233
Heat Shrink Assortments	233
Heat Shrink Terminals	295-200
Heavy Duty Relays	114-115
Hi Amperage Connector Covers	173-174
Hi Amperage Connectors	173-174
High Density Booster Cable	61-62
High Melting Point Solder	312
Hirshmann Plugs	190
Horns	253
Hour Meter	279
Hydraulic Crimper	309
<b>I</b>	
Ignition Switches	97-99
Immobilisers	265-266
In - Line Fuse Holder	135-139
Intermittent Duty Solenoids	122-123
Inverters	26
<b>J</b>	
Jockey Wheels	209
Jump Start Terminal	190-191
Jump Starter	47
Jumper Leads	61-62
Junction Box	192-193

<b>K</b>	
Key On Lights On Module	280
Keyless Entry Controller	265
<b>L</b>	
LCD Monitors	259-261
Lectra Clean Spray	321
Lectra Shield Spray	322
LED Pilot Light	263-264
Lever Type Micro Switch	100
Limit Switch	100-101
Liquid Level Gauges	287
Load Simulator	118
Low Coolant Alarm	286
Low Voltage Relay	23, 117-118
Low Water Alarm	286
Lubricant Spray	319
<b>M</b>	
MAF Sensor Cleaner Spray	322
Manual Reset Circuit Breakers	143, 145-147
Marine Cable	167-170
Master Door Actuator	265
Maxi Blade & Fusible Link Assortment	134
Maxi Blade Fuses	130
Mechanical Door Switches	95
Mechanical Pressure Gauge	281
Mechanical Stop Light Switches	95
Mega Fuses	131
Merit Socket	204
Metal Toggle Switch	76-82
Micro Relays	111
Micro Switches	100

**M (continued)**

Midi Fuses	130
Mini Blade Fuse Assortment	133-134
Mini Blade Fuse Tap	141
Mini Blade Fuses	128-129
Mini Relays	111-113
Missile Switch Cover	77
Mixed Fuse Assortment	133-134
Momentary Push Button Switches	93-95
Monitors, LCD	259-261
Motor Reversing Solenoid	123
Mower Solenoids	122
Multi - Purpose Lubricant Spray	319
<b>N</b>	
NF Cleaner Spray	321
<b>O</b>	
Oil Pressure Gauge Electric	281
Oil Pressure Gauge Mechanical	281
Oil Pressure Sender	288-289
<b>P</b>	
P-Clips	248, 249
Pendant Switch	97
Pilot Lights	263-264
Pin Connectors	195, 197
Plasticised Continuous Duty Solenoids	121, 199
Pliers	307
Plug In Circuit Breaker	143-144
Polyester Braided Sleeving	242-243
Power Distribution	60, 190-193
Power Inverters	26
Pressure Switches	289, 290

Pre - Wired Connectors	189
Pull Type Thermo Fans	296-297
Push, Pull Switches	96
Push Button Circuit Breakers	146-147
Push Button Switches	93-95
Push Type Thermo Fans	298-299
PVC Sleeving	237
Pyrometer Electric	281

**Q**

Q.C Connectors	187-189
Q.C Housings Male & Female	181-189

**R**

Radio	266-267, 274
Radio Suppressors	267
Ratchet Crimpers	309
Red Crimp Terminals	195-196
Redarc Battery Charging Solutions	21-24
Redarc Brake Control Units	18
Refrigerator	273
Relay Mounting Blocks	114
Relays	111-118
Remote Control Central Locking Kit	265
Resin Core Solder	312-313
Reverse Alarms	254-258
Reverse Light Switch	95
Reverse Sensor Kit	258
Reversible Thermo Fans	300-302
Reversing Cameras	259-261
Ring Terminals	195-199
Rocker Switch	83-90
Roll Over Device	108



Rotary Switch	96	Spade Terminal	195-199
Rust Prevention	276	Speaker Cable	159
<b>S</b>		Speed Alert	282
Silicone Spray	319	Speedometers	182
Scope Power Supply	311	Split Tubing	134
Scotch Locks	201	Squashed Duck Reverse Alarm	256-257
Self Fusing Butyl Rubber Tape	316	Standard Blade Fuse Tap	141
Senders Pressure	288, 289	Starter Cable	164-165
Senders Temperature	290-291	Stereos	266-267
Series Parallel Switch	108	Superscope 12 Volt Adjustable Iron	311
Seven Core Cable	162-163	Surge Protector	61
Shut Down Relays	117, 287	Suzi Coil	224-226, 229,-230
Shut Down Solenoid	124-125	Switch Boots	82-83
Side Cutters	307	Switch Mode Reducers	27-28
Single Circuit Reducers	27-28	<b>Switches</b>	
Single Core Cable	153-158	Battery Master	103-108
Siren	265	Dipper	96
Smart Battery Isolator	24-25	Emergency Stop	102-103
Solar Panel Accessories	31-36	Foot Operated	95
Solar Panel Regulators	33-36	Ignition	97-99
Solar Panels	30-31, 34-35	Isolation	103-108
Solder	312-313	Limit	100-101
Solder High Melting Point	312	Lockout Lever	106
Solder Stick Form	313	Micro	99-100
Soldering Iron Spare Parts	312	Switches Pendant	97
Soldering Irons	311	Switches Pressure	289-290
Solenoid Accessories	125	Switches Push, Pull	96
Solenoids Continuous Duty	119-112	Switches Push Button	93-95
Solenoids Intermittent	122-123	Switches Reverse, Transmission Mounted Switches	95
Solenoids Push, Pull	124-125	Switches Rocker	83-90
Solenoids Shut Down	124-125	Switches Rotary Wiper	96

**S (continued)**

Switches Stop Light	95
Switches Toggle	76-82
Swivel - Solenoid	125

**T**

Tachometers	283
Tailgate Switch	97
Tape	314-316
Tape Adhesive Harness	315
Tape Adhesive P.V.C.	315
Tape Butyl Rubber	316
Tape Fabric Field Coil	314
Tekonsha Brake Control Units	16-17
Temperature Gauge Electric	283
Temperature Sender	290-291
Temperature Switch	290
Terminals Assortment Packs	201
Terminals Blue	196-198
Terminals Brass	200
Terminals Female Blade Insulated	195-199
Terminals Female Blade Non Insulated	200
Terminals Female Bullet Insulated	195-199
Terminals Male Blade Insulated	195-199
Terminals Male Blade Non Insulated	200
Terminals Male Bullet Insulated	195-199
Terminals Red	195-196
Terminals Ring	195-200
Terminals Yellow	198-199
Terminal Chart	110
Test Light	310-311
Thermo Fan Mounting Feet	296-299, 303

Thermo Fans	296-302
Thermostatic Switches	304
Timed Relays	118
Timers Glow Plug	292
Timers Turbo	292
Toggle Switches	76-82
Touch Key Immobiliser	265-266
T-Piece Adaptors	288
Trailer 7 Pin Round Plugs	215-220
Trailer 7 Pin Round Sockets	215-221
Trailer 7 Pin Flat Plugs	211
Trailer 7 Pin Flat Sockets	211, 213
Trailer 7 Pin Plastic Socket with Reed Switch	212
Trailer Adaptors	209-210
Trailer Brake Control Units	16-18
Trailer Break Away Switch	17
Trailer Break Away Unit	17
Trailer Light Reducer	27-28
Trailer Socket Brackets	225
Turbo Boost Pressure Gauge	278
Turbo Timers	292
Twin Core Cable	159-160

**U**

UHF	276-268
Universal Solenoids	119-123
Urethane Coating Spray	322
USB Socket	206, 285

**V**

Voltage Boosters	29
Voltage Inverters	26
Voltage Reducers	27-28



Voltage Sensitive Relays	23
Voltmeter	205-206, 284-285
<b>W</b>	
Walkie Talkies	267-268
Warning Buzzers	253-254
Warning Lights	263-264
Washer Pumps	305
Water Pumps	276, 305
Water Temperature Sender	290-291
Weather Pack Connectors	186-187
Welding Cable	165-166
Windscreen Washer Kits	305
Wire	153-172
Wire Cutter, Wire Strippers	307-310
Wire Tap Connectors	201
<b>Y</b>	
Yellow Crimp Terminals	198-199
<b>Z</b>	
Zip Ties	245-246

 **VOLTAGE**  
12 / 24V

**Voltage**

Voltage range product can operate on

 **AMPS**  
275A @ 12VDC

**Amps**

Current measured or used by product

 **ENVIRONMENT**  
IP65

**Environment**

Rating the product had been tested to (see page 293)

 **TEMP**  
- 65°C - 71°C

**Temperature**

Temperature range product can operate within

 **FUNCTION**  
OFF - ON

**Function**

How the product operates

 **WATTS**  
240

**Watts**

Power used by product measured in watts

 **MOUNTING HOLE**  
12.5mm

**Mounting Stem**

Size of the hole required for mounting

 **FUSE TYPE**  
Standard Blade

**Fuse Type**

Type of fuses in pack

 **CIRCUITS**  
1

**Circuits**

Number of circuits

 **TERMINALS**  
2

**Terminal**

Type of terminal in pack

 **PACK QTY.**  
5

**Pack Quantity**

How many products in a pack

 **DIMENSIONS**  
597 x 540 x 25mm

**Dimensions**

Physical size of product (L x W x H)

 **WEIGHT**  
4.2KG

**Weight**

Weight of product

 **STAGES**  
MULTI STAGE

**Stages**

Output stages of battery charger

 **DECIBELS**  
77dB

**Decibels**

Sound measured out of product

 **OUTPUTS**  
2 Battery Outputs

**Outputs**

Number/function of outputs from product

# When you're in control, there are no limits to where you can go.

REDARC Electronics is a technology-based company that designs, manufactures and provides patented, reliable and fully-integrated, portable, vehicle power solutions and customer-centric after sales service.

## Power Management

- In-vehicle Battery Chargers
- Smart Battery Chargers
- SmartCharge Accessories
- Battery Management Systems
- Smart Start® SBI Battery Isolators
- Pure Sine Wave Inverters
- Inverter Remote Controls
- Modified Sine Wave Inverters
- Fluorescent Light Inverters
- Monocrystalline Solar Panels
- Portable Folding Solar Panel Kits
- Amorphous Solar Blankets
- Solar Regulators and Remote Monitors



## Safety

- Tow-Pro Electric Trailer Brake Controller
- Electric Trailer Brake Controllers - User-Controlled
- Tow-Pro Wiring Kits
- Tow-Pro Switch Inserts
- Break-Safe Break-Away
- Low Coolant Alarm
- Hand Brake Alarm
- KOLO Daytime Running Lights (Key On Lights On)
- Surge Protectors
- Roll Over Sensor
- Battery Master Isolation Switch



## Voltage Converters

- Compact Switch Mode Reducers
- Switch Mode Reducers
- Linear Reducers
- Voltage Stabilisers
- DC Power Supply
- Charge Equalisers
- Trailer Lighting Reducers
- Dummy Loads
- Isolated Voltage Converter
- Industrial Power Supplies



## Control Systems

- RedVision Total Vehicle Management System
- Gauges
- Timers
- Voltage Sensors
- Chopper Relays
- Universal Control Area Network (CAN) Module



For a complete list of products and technical information call 08 8322 4848 or visit [redarc.com.au](http://redarc.com.au)

THE POWER OF  
**REDARC** 40 YEARS  
SINCE 1979

6172-1/190607



# BATTERY & VOLTAGE



Brake Control

Battery Management

Voltage Control

Solar

Battery Chargers-Monitor

Batteries

Battery Box-Clamp

Battery Lug-Terminals

Insulators





THE POWER OF  
**REDARC**



## BA6000

### 12V Break Away System

The Break-Safe Break-Away System is designed to apply the trailer brakes & brake lights if the trailer or caravan is accidentally separated from the tow vehicle. The system has a built-in battery that can be charged from the tow vehicle's auxiliary line or by a battery charger. Suits 1 or 2 axle trailers

**VOLTAGE**  
12V

THE POWER OF  
**REDARC**



## RM6000

### 12V Dash Board Battery Monitor

Remote battery monitor: Remotely monitor the state of charge of BA6000 battery.

**VOLTAGE**  
12V

THE POWER OF  
**REDARC**



## EB

### Electric Brake Controller

Can be mounted in any position  
Suitable for 1, 2 or 3 axle trailers  
Includes manual override

**VOLTAGE**  
12V

THE POWER OF  
**REDARC**



## EBTM

### Electric Brake Controller

Trailer mounted  
Suitable for 1, 2 or 3 axle trailers

**VOLTAGE**  
12V

THE POWER OF  
**REDARC**



## EB24A

### Charge Equaliser

An electric trailer brake controller to suit most applications  
Compact size  
Easy to Install  
Use 12V brake controllers in a 24V vehicle

**VOLTAGE**  
12V  
**AMPS**  
3A

THE POWER OF  
**REDARC**



## EBRHV2

### Tow Pro® Classic

The REDARC Tow-Pro® classic electric brake controller offers a single, user-controlled, mode of trailer braking.

**VOLTAGE**  
12V

# EBRH-ACCV3

## Tow Pro® Elite V3

The Tow-Pro® Elite is an electric trailer brake controller designed to suit most common trailer braking applications whilst requiring minimal dash space and being simple to install and operate. The Tow-Pro® Elite offers selectable Proportional or User Controlled trailer braking modes allowing the user to choose the braking style depending on the road or terrain conditions, vehicle type, or driver preference.

The Tow-Pro® Elite features Active Calibration which constantly monitors the direction of travel and will even calibrate with no trailer attached whilst maintaining the ability to mount in any orientation.

The unit is able to operate both electric and electric/hydraulic trailer brakes and will operate from either 12 or 24V vehicle systems without the need for manual selection or extra components/wiring. The unit is ADR compliant when installed as directed and is approved for use with AL-KO ESC and Dexter DSC sway control systems.



THE POWER OF  
**REDARC**



BRAKE CONTROLLERS

## Tow-Pro® Inserts & Wiring Kits

THE POWER OF  
**REDARC**

The REDARC Tow-Pro® Switch Insert aids the installation of the market leading Tow-Pro® remote head into vehicles. Tow-Pro® Switch Inserts allows the installer to create an OE looking remote head.

REDARC Tow-Pro® wiring kits are available in 11 vehicle specific kits, directly compatible with 16 popular 4WD vehicles. The wiring kits provide 'Plug and Play' style connectivity. Each vehicle specific wiring kit will ensure installation will now become quicker and more convenient

Part Number	Description	Make	Model	Year From	Year To	Pack Qty
TPSI-001	Tow-Pro® Insert Universal	N/A	N/A			1
TPSI-001-B	Tow-Pro® Insert Universal	N/A	N/A			10
TPSI-002	Tow-Pro® Insert Toyota/Mitsubishi	Toyota	HiLux	2015	Current	1
		Toyota	Fortuner	2015	Current	
		Toyota	LandCruiser 200 series	2008	Current	
		Toyota	Prado 150	2015	Current	
		Toyota	Prado 200	2015	Current	
		Toyota	RAV4	2006	2011	
		Mitsubishi	Mirage	2016	Current	
		Mitsubishi	Outlander	2016	Current	
		Mitsubishi	Pajero	2016	Current	
TPSI-002-B	Tow-Pro® Insert Toyota/Mitsubishi	Various	Various	Various	Current	10
TPSI-003	Tow-Pro® Insert Holden	Holden	Colorado RG	2012	Current	1
		Isuzu	D-Max	2017	Current	
		Isuzu	MUX	2017	Current	
TPSI-003-B	Tow-Pro® Insert Holden	Various	Various	Various	Current	10
TPSI-004	Tow-Pro® Insert Mazda BT50	Mazda	BT50	2011	Current	1
TPSI-004-B	Tow-Pro® Insert Mazda BT50	Mazda	BT50	2011	Current	10
TPSI-005	Tow-Pro® Insert D-Max	Isuzu	D-Max (SX)	2017	Current	1
TPSI-005-B	Tow-Pro® Insert D-Max	Isuzu	D-Max (SX)	2017	Current	10
TPSI-006	Tow-Pro® Insert MUX	Isuzu	D-Max (LS)	2017	Current	1
		Isuzu	MUX (LS)	2017	Current	
TPSI-006-B	Tow-Pro® Insert MUX	Isuzu	MUX (LS)	2017	Current	10
TPWKIT-002	Tow-Pro® Wiring Kit Holden	Holden	Colorado	2015	Current	1
TPWKIT-003	Tow-Pro® Wiring Kit Mitsubishi	Mitsubishi	Triton	2016	Current	1
TPWKIT-004	Tow-Pro® Wiring Kit Toyota	Toyota	HiLux	2015	Current	1
		Toyota	Fortuner	2015	Current	
TPWKIT-005	Tow-Pro® Wiring Kit Toyota	Toyota	LandCruiser 200 series	2015	Current	1
TPWKIT-006	Tow-Pro® Wiring Kit Isuzu	Isuzu	D-Max (LS)	2017	Current	1
		Isuzu	MUX (LS)	2017	Current	
TPWKIT-007	Tow-Pro® Wiring Kit Toyota	Toyota	Kluger	2017	Current	1
		Toyota	Prado	2015	Current	
TPWKIT-008	Tow-Pro® Wiring Kit Nissan	Nissan	Navara D23 NP300	2017	Current	1
TPWKIT-009	Tow-Pro® Wiring Kit Mitsubishi	Mitsubishi	Pajero NX	2017	Current	1
TPWKIT-010	Tow-Pro® Wiring Kit Amarok	Volkswagen	Amarok	2015	Current	1
		Ford	Ranger PXI	2011	2014	
		Ford	Ranger PXII	2015	Current	
		Ford	Ranger PXIII	2018	Current	
		Ford	Everest	2015	2016	
TPWKIT-012	Tow-Pro® Wiring Kit Ford with AEB	Mazda	BT50	2011	Current	1







## 05650 Guardian Brake Controller

Small, compact design  
Easily accessible push buttons for controlling "output" and "sync" settings  
Easy-to-read digital display communicates brake power output, sync setting and error codes  
Thumb control manual override  
Mount in any position, no levelling required

**VOLTAGE**  
12V



## 05550 Brake Controller Solid State

Compact size  
Suitable for 1, 2 or 3 axle trailers  
Unique "Sync" adjustment for towing different trailers  
Green LED indicator monitors a secure connection with your trailer  
Dash mounted, remote head controller

**VOLTAGE**  
12V



## 06000 Compact IQ Brake Controller

Remote mounted controls  
Brake controller unit is concealed behind the dash  
Electrical brake control for 1, 2, or 3 trailer axle  
Includes a "Boost" feature that gives users the ability to set minimum braking power and control over your braking, on and off road  
LED indicator showing the status of the braking system  
Fully compatible with Electronic Stability Control (ESC) and Dexter Sway Control (DSC) systems

**VOLTAGE**  
12V



## 9030 Voyager Brake Control Unit

Broad control range makes setting quick & easy. As braking power is applied, the led changes colour gradually from green - completed circuit, to red - indicating relative braking power. Suitable for up to 4 braking axles.

**VOLTAGE**  
12V



## 90160 Primus IQ Brake Control Unit

Proportional, inertia sensing braking  
Digital LED readout  
Suitable for 1, 2 or 3 axle trailers

**VOLTAGE**  
12V



## 90885 Prodigy P2 Brake Control Unit

Designed to work with electric over hydraulic brake systems  
Digital display depicts voltage delivery to trailer during braking  
Proportional, inertia sensing braking  
Continual diagnostics check for proper connection  
Quick & easy disconnect feature allows user to remove & store the control when not in use

**VOLTAGE**  
12V





## 90195

### P3 Brake Control Unit

5 Storable setting options for pulling different trailers or preferences of multiple drivers

A distinct, easy-to-read LCD display with multiple screen colour options

Up-front controls provide easy access to all P3 features

A flashing red warning system alerts user to "No Trailer Brake" situations

Select electric over hydraulic or electric trailer brake mode

Suitable for up to 4 braking axles

 VOLTAGE  
12V



## 7894

### Brake Control Harness

Pigtail harness to suit Tekonsha brake controllers

 VOLTAGE



## 2010-P

### Trailer Breakaway Switch

Reinforced nylon case

Nylon pull tab

Rust & corrosion-resistant assures long life

 VOLTAGE  
12V



## 50-85-325

### Breakaway System Suit To 3 Axles

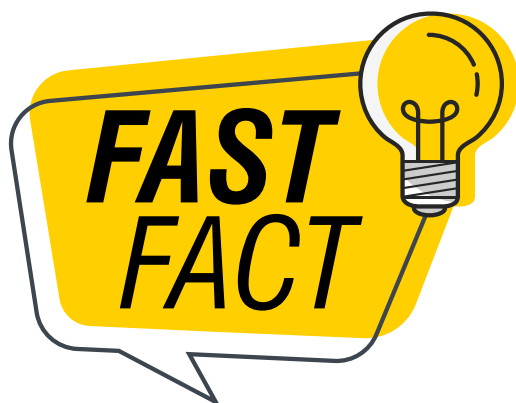
Breakaway system for 1 to 3 axle trailers with electric brakes

Includes battery box

5A battery with push to test LED test meter

Integrated multi-stage charger and 48" Tekonsha breakaway switch

 VOLTAGE  
12V



## Question

What is the difference between ABS and EBS?

## Answer

**EBS - Electronic Brake System**, brake by wire replacing the requirements for vacuum servo, hoses and fluid (7-PINS).

**ABS - Anti-lock Braking System**, utilises sensors and solenoids upon the braking system to override braking function to maintain traction (5-PINS).

THE POWER OF  
**REDARC**



## BCDC1206

### 6A DC-DC Battery Charger 6A

REDARC In-vehicle battery chargers feature technology designed to fully charge auxiliary batteries to a proven 100%

These unique DC to DC chargers ensure an auxiliary battery is able to achieve and maintain an optimal charge regardless of its type or size

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 6A
	<b>STAGES</b> 3 Stage

THE POWER OF  
**REDARC**



## BCDC1220

### 20A DC-DC Battery Charger

REDARC In-vehicle battery chargers feature technology designed to fully charge auxiliary batteries to a proven 100%

These unique DC-DC chargers ensure an auxiliary battery is able to achieve and maintain an optimal charge regardless of its type or size

The BCDC1220 is designed to work with either fixed voltage or temperature compensating alternators

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>STAGES</b> 3 Stage

THE POWER OF  
**REDARC**



## BCDC1220-IGN

### 20A DC-DC Battery Charger

REDARC In-vehicle battery chargers feature technology designed to fully charge auxiliary batteries to a proven 100%

These unique DC-DC chargers ensure an auxiliary battery is able to achieve and maintain an optimal charge regardless of its type or size

The BCDC1220 is designed to work with either fixed voltage or temperature compensating alternators, while the BCDC1220-IGN is designed to operate with variable voltage alternators

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>STAGES</b> 3 Stage

THE POWER OF  
**REDARC**



## BCDC1225D

### 25A DC-DC Battery Charger

Featuring a Maximum Power Point Tracking (MPPT) solar regulator, the BCDC1225D will charge from both solar and the alternator simultaneously. With built-in 'Green Power Priority' it will select solar charging first, meaning less load on the alternator. Suitable for 12 or 24V vehicle systems, the unit will also work with either standard or variable/smart alternators

The BCDC1225D feature the same patented charging profiles as their predecessors, along with a new lithium charging profile making the unit suitable for charging AGM, gel, standard lead acid, calcium and LiFePO4 batteries.

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>STAGES</b> 3 Stage

THE POWER OF  
**REDARC**



## BCDC1240D

### 40A Battery Charger DC-DC

Featuring a maximum power point tracking (MPPT) solar regulator, the BCDC1240D will charge from both solar and the alternator simultaneously. With built-in 'Green Power Priority' it will select solar charging first, meaning less load on the alternator. Suitable for 12 or 24V vehicle systems, the unit will also work with either standard or variable/smart alternators.

The BCDC1240D feature the same patented charging profiles as their predecessors, along with a new lithium charging profile making the unit suitable for charging AGM, gel, standard lead acid, calcium and lifepo4 batteries.

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 40A
	<b>STAGES</b> 3 Stage

THE POWER OF  
**REDARC**



## BCDC1250D

### 50A DC-DC Battery Charger

Featuring a maximum power point tracking (MPPT) solar regulator, the BCDC1250D will charge from both solar and the alternator simultaneously. With built-in 'Green Power Priority' it will select solar charging first, meaning less load on the alternator. Suitable for 12 or 24-volt vehicle systems, the unit will also work with either standard or variable/smart alternators.





The BCDC1250D feature the same patented charging profiles as their predecessors, along with a new lithium charging profile making the unit suitable for charging AGM, gel, standard lead acid, calcium and LiFePO4 batteries.

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 50A
	<b>STAGES</b> 4 Stage

## BCDC2420

### 20A DC-DC Battery Charge

The REDARC BCDC2420 is a 24V 20A In-vehicle dual DC-DC charger designed to keep your battery charged whilst driving, features a MPPT solar regulator to boost power supply from solar.

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 24V
	<b>AMPS</b> 20A
	<b>STAGES</b> 3 Stage



THE POWER OF  
**REDARC**

## BMS1215S3

### 15A Battery Management System





Complete solution to battery charging & maintenance needs for 4WD, caravan & marine

Multi stage DC-DC & AC-DC charger. MPPT solar regulator, incorporates charging from a solar panel

Designed to charge auxiliary/house batteries, from your vehicle Suitable for all battery types

Touring 3 stages

Storage 8 stages

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 15A
	<b>STAGES</b> 3/8 Stage



THE POWER OF  
**REDARC**

## BMS1230S2

### 30A Battery Management System





Complete solution to battery charging & maintenance needs for 4WD, caravan & marine

Multi stage DC-DC charger. MPPT solar regulator, incorporates charging from a solar panel

Designed to charge auxiliary/house batteries, from your vehicle Suitable for all battery types including LIFEPO

Touring 3 stages

Storage 8 stages

	<b>INPUT VOLTAGE</b> 9-32V
	<b>OUTPUT VOLTAGE</b> 12V
	<b>AMPS</b> 30A
	<b>STAGES</b> 3/8 Stage



THE POWER OF  
**REDARC**

## TVMS1280

### RedVision Vehicle Management System

RedVision from REDARC is a total vehicle management system that comes equipped with an in-vehicle mounted display and bring your own device 'BYOD' smartphone iOS or Android app that enables the control and monitoring of many functions in a camper, caravan, motorhome or 4WD in one place

Switch devices on/off like lights, TV, electric steps, etc

Monitor water and temperature levels and battery information

Bluetooth connectivity to RedVision app from mobile device

Modern, user friendly interface combines power protection, distribution and control

	<b>VOLTAGE</b> 12V
---	--------------------





THE POWER OF  
**REDARC**

## TVMSKIT03

### RedVision Vehicle Management System with BMS1215S3

RedVision total vehicle management system and market-leading 15A Manager15 battery management system to provide full control and monitoring of your 4x4, camper, caravan or motorhome

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A





THE POWER OF  
**REDARC**

## TVMSKIT04

### RedVision Vehicle Management System with BMS1230S2

RedVision total vehicle management system and market-leading 30A Manager30 battery management system to provide full control and monitoring of your 4x4, camper, caravan or motorhome

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



THE POWER OF  
**REDARC**



### TDR02020

#### 20A DC-DC Charger with Solar Regulator

Vehicle input voltage 12.2 - 17V  
 Min - Max charging voltages 13.1 - 15.2V  
 Solar inputs 13 - 25V  
 Max solar watt input 300W  
 8 stage from vehicle & 3 stage from solar  
 Operating temperature 0° - 60°C (current derates after 60°)  
 Battery range 18 - 250Ah

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>STAGES</b> 8 Stage



### TDR02040

#### 40A DC-DC Charger with Solar Regulator

Vehicle input voltage 12.2 - 17V  
 Min - Max charging voltages 13.1 - 15.2V  
 Solar inputs 13 - 25V  
 Max solar watt input 550W, 8 stage from vehicle & 3 stage from solar  
 Operating temperature 0° - 60°C (current derates after 60°)  
 Battery range 18 - 250Ah

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 40A
	<b>STAGES</b> 8 Stage

Note: The 40A DC-DC has an ignition feed that must be connected, this is to ensure the auxiliary battery does not drain the main battery after the vehicle is turned off.



### 40-289

#### 12V 120A Smartpass 120S Charger

Smartpass can be intergrated with the D250SE to ensure optimal battery charging.  
 The smartpass manages the energy transfer through the D250SE which converts & produces the optimal voltage of 14.4V even if the alternator only produces 14V  
 Compatible with smart alternators  
 Battery capacity 28-800Ah lead, acid and lithium  
 Stops charging if temprature is too high

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 120A
	<b>STAGES</b> 5 Stage
	<b>ENVIRONMENT</b> IP65



### 40-315

#### D250SE 12V 20A DC-DC Charger

Battery capacity 40 - 300Ah lead, acid and lithium  
 Parallel input from both alternator and solar panel  
 Starter battery maintenance charging when AUX battery is fully charged  
 5 step charge algorithm  
 Smart alternator compatible

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>STAGES</b> 5 Stage
	<b>ENVIRONMENT</b> IP65



### IDC25

#### 25A DC-DC Battery Charger

Engine bay installation - Sealed to IP67, the IDC is dust, splash and shock proof and can safely operate in extreme temperatures up to 80°C, dual charging modes - engineered to work with both smart and conventional alternators  
 Multi-chemistry - set the charging profile to suit battery chemistry type: wet, calcium AGM or gel, dual input operation - simultaneous dual battery charging from both solar and alternator inputs  
 Total safeguard protection - Over temperature, reverse connection

	<b>VOLTAGE</b> 12V or 24V
	<b>AMPS</b> 25A
	<b>STAGES</b> 3 Stage
	<b>ENVIRONMENT</b> IP67



### IDC45

#### 45A DC-DC Battery Charger

Engine bay installation - Sealed to IP67, the IDC is dust, splash and shock proof and can safely operate in extreme temperatures up to 80°C, dual charging modes - engineered to work with both smart and conventional alternators  
 Multi-chemistry - set the charging profile to suit battery chemistry type: wet, calcium AGM or gel, dual input operation - simultaneous dual battery charging from both solar and alternator inputs  
 Total safeguard protection - Over temperature, reverse connection

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 45A
	<b>STAGES</b> 3 Stage
	<b>ENVIRONMENT</b> IP67






## PM200

### Power Management System 20A

PM 200's remote display features 3 water levels, starter and service battery voltages, switch for water pump control, night mode buttons and load on/off switch.

The 30A PWM solar input allows the user to rely on solar during sunny conditions or DC when it's not. WAGO terminals make installation and changes to wiring a breeze, whilst a manual battery switch connection allows for remote or local operation.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>STAGES</b> 5 Stage






## PM300

### Power Management System 20A

PM300's remote LCD control features battery and charging information (Volts, AMPS, SOC, time remaining), up to 4 water tank level inputs with pump control, a load switch, night mode and silent mode for quiet operation.

14 channel fused output and WAGO terminals, plus a host of protection features and sensors ensure easy, safe operation and monitoring of your electricals.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>STAGES</b> 5 Stage






## PM400

### 20A Power Management System

The ultimate in power management systems, PM400 encompasses a complete remote control solution for the most advanced setups

Utilising an 11 channel central wiring unit and MPPT, it includes PM300's advanced LCD display plus a central switch panel, bedroom light/dimming switches and smart phone Bluetooth operation

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>STAGES</b> 5 Stage



## SBI12

### 100A Battery Isolator



100A continuous load 400A inrush rating

Smart isolation means you can forget about it after installation

Spike and surge protected

Delayed on and off times for smooth operation

6 Pack - Part No. SBICODISP

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A



## SBI12KIT

### 100A Battery Isolator



Prevents your secondary battery draining your main battery.

Significantly extends battery life saving you money

Can be used in automotive and marine applications

Suitable for harsh environments

Easy to install complete kit.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 200 A



## SBI12D

### 100A Smart Battery Isolator

Charge your auxiliary battery while you drive



Silver contacts for longer life

Power saving technology

Fault indication

Fully surge protected

Allows for AUX battery to be charged from an external source

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A





THE POWER OF  
**REDARC**



## SBI212

### 200A Battery Isolator

200 amp continuous load 600A inrush rating  
Smart isolation means you can forget about it after installation  
Spike and surge protected  
Delayed on and off times for smooth operation

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 200A

THE POWER OF  
**REDARC**



## SBI24

### 100A Battery Isolator

Charge your auxiliary battery while you drive  
Silver contacts for longer life  
Smarter than continuous duty solenoids  
Fully surge protected  
100A continuous rating

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 100A

THE POWER OF  
**REDARC**



## SBI224

### 24V 200A Battery Isolator

200A continuous load 600A inrush rating  
Smart isolation means you can forget about it after installation  
Spike and surge protected  
Delayed on and off times for smooth operation

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 200A

**THUNDER**  
*Connection is your Weekend Escape*



## TDR15100

### Electronic Battery Isolator

Fully programmable engage, disengage, alarm voltages and times  
Will allow reverse charging from auxiliary battery  
Ideal for under bonnet installation  
Remote monitoring option (via LED, not included)  
Jump start function option (switch not included)

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A

**OEX**



## ACX2052

### 140A Voltage Sensitive Relay

For use on charging systems up to 140A  
The voltage sensitive relay isolates a second battery and, electronics from harmful engine starting spikes while allowing, two or more batteries to be charged at the same time  
The relay stays open when the engine is first started and, the relay then closes allowing the two batteries to be charged together

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 140A

**PROJECTA**



## DBC100

### 100A Battery Isolator

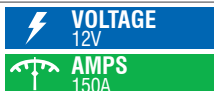
This 100 amp unit is ideal for use with mid-sized 4WDs through to SUVs.  
Ensures main battery is charged before connecting to auxiliary  
LED illuminates to highlight charge status  
Manual override allows batteries to be manually paralleled for jump starting  
Built-in over current and surge protection  
Supplied bracket and screws for mounting unit

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A

## DBC150

### 150A Battery Isolator

A sophisticated electronic isolator that allows you to run powerful accessories such as fridges, lights and inverters without flattening your starting battery.  
Ensures main battery is charged before connecting to auxiliary  
LED illuminates to highlight charge status  
Manual override allows batteries to be manually paralleled for jump starting  
Built-in over current and surge protection  
Supplied bracket and screws for mounting unit

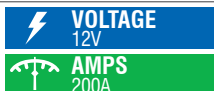


PROJECTA

## VSR200

### 200A Voltage Sensitive Relay

The perfect 'no-fuss' power management controllers suitable for a wide variety of 12V DC applications, eg. winching etc.  
Sealed electronics prevents dust and water ingress (IP66)  
Built-in protection guards vehicle against voltage spikes  
Manual override bypasses automatic settings allowing relay to engage below set voltages  
Silver tip contacts provide exceptional current transfer

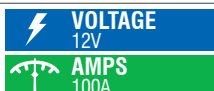


PROJECTA

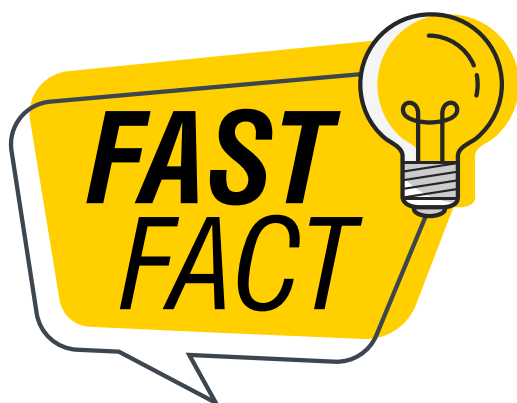
## VSR100

### 100A Voltage Sensitive Relay

The perfect 'no-fuss' power management controllers suitable for a wide variety of 12V DC applications, eg. winching etc.  
Sealed electronics prevents dust and water ingress (IP66)  
Built-in protection guards vehicle against voltage spikes  
Manual override bypasses automatic settings allowing relay to engage below set voltages  
Silver tip contacts provide exceptional current transfer



PROJECTA



## Question

How do I safely jump start my battery?

## Answer

**Always follow any vehicle specific instructions provided by the manufacturer**

1. Move the vehicle with the charged battery to be within suitable distance of the discharged battery and jumper cables, ensuring the vehicles are not touching.
2. Connect the red jumper lead to the (+) positive of the discharged battery and the other end of the red jumper lead to the (+) positive of the charged battery.
3. Connect the black jumper lead to the (-) negative of the charged battery and the other end of the black jumper lead to a good earth point (a solid point of the engine block will suffice) on the vehicle to be started.
4. Attempt to start the engine with the discharged battery. If the charged battery doesn't have enough capacity to do this, start the engine with the charged battery and let it idle for a few minutes. Turn the charged vehicle off and try again to start the vehicle with the discharged battery. Let the vehicle with the previously flat battery idle with the headlights on to prevent a possible voltage spike, damaging electrical equipment.
5. Disconnect the jumper leads in the reverse order of connection. Remove the black negative lead from the started vehicle, then from the charged vehicle. Then remove the red cable from the already charged battery and lastly disconnect the red positive cable from the vehicle you have just started. The car has now been started and after any caps and covers have been replaced it is ready to be driven. If the charging system is working correctly and the battery is in good condition, the battery will be recharged whilst the car is running.
6. The electrical system should then be inspected by a qualified auto electrician.

THE POWER OF  
**REDARC**



## Voltage Inverter Fluro

Run 240V AC fluorescent lights from a 24V source  
Reverse polarity protected  
Dimensions: 172 x 46 x 28mm

Part No.	Voltage From	Voltage To	Watts
<b>RFL2420</b>	24V	240V	20W
<b>RFL2440</b>	24V	240V	40W

THE POWER OF  
**REDARC**



## Pure Sine Wave Inverter

The range of REDARC Pure Sine Wave Inverters allow you to use your appliances anywhere in Australia and get the same type of 240 volt power you get at home  
Producing a pure sine wave, REDARC's inverters ensure smoother, more efficient running of appliances including laptops and phone chargers, power tools, heaters, kettles and more  
All Inverters feature multiple levels of protection including overload, short-circuit and over-temperature and a load-controlled cooling fan which engages when power consumption reaches a pre-set level.

Part No.	Voltage From	Voltage To	Watts	Dimensions
<b>R-12-350RS</b>	12V	240V	350W	188 x 150 x 68mm
<b>R-12-700RS</b>	12V	240V	700W	330 x 200 x 83mm
<b>R-12-1000RS</b>	12V	240V	1,000W	372 x 200 x 83mm
<b>R-12-1500RS</b>	12V	240V	1,500W	421 x 248 x 83mm
<b>R-12-2000RS2</b>	12V	240V	2,000W	443 x 248 x 83mm
<b>R-12-3000RS</b>	12V	240V	3,000W	442 x 255 x 158mm
<b>R-24-3000RS</b>	24V	240V	3,000W	442 x 255 x 158mm

THE POWER OF  
**REDARC**



## REMOTE-RS

Redarc Inverter Remote

Remote on/off switch to suit all of the above Redarc inverters

**PROJECTA**



## Pure Sine Wave Inverter

Engineered with the professional user in mind, these super robust and reliable pure sine wave inverters have been designed to handle the rigours of industrial and RV leisure applications.  
Along with producing ultra clean 240V power, the Intelli-Wave range features class leading 'Peak Power Performance'. This means they have the ability to power devices at 200% of their rated capacity for 3 seconds; in practice this means a 1000 watt Intelli-Wave inverter can power an appliance that requires 2000W at start up. What's more, it can run at 140% (1400W) of its rated capacity for a staggering 3 minutes.

Part No.	Voltage from	Voltage to	Watts	Dimensions	Sockets (QTY)	Remote Included	AC Transfer Switch
<b>IP150</b>	12V	240V	150W	232 x 108 x 63mm	1	No	No
<b>IP300</b>	12V	240V	300W	252 x 108 x 63mm	1	No	No
<b>IP600</b>	12V	240V	600W	250 x 168 x 81mm	1	Yes	No
<b>IP1000</b>	12V	240V	1,000W	360 x 168 x 81mm	1	Yes	No
<b>IP2000</b>	12V	240V	2,000W	478 x 250 x 105mm	2	Yes	Yes
<b>IP2000-24</b>	24V	240V	2,000W	478 x 250 x 105mm	2	Yes	Yes
<b>IP3000-24</b>	24V	240V	3,000W	507 x 249 x 116mm	1	No	Yes

## Voltage Reducer

Single circuit switch mode voltage  
 Reducers with memory wire: memory output wire  
 (constant output for radios)  
 Over voltage & short circuit protection  
 LED indicator to indicate function of the unit  
 High technology module power conversion provides over 90% power efficiency

Part No.	Voltage From	Voltage To	Amps	Dimensions
<b>ACX7200</b>	24V	12V	5A	67 x 120 x 40mm
<b>ACX7201</b>	24V	12V	10A	103 x 120 x 70mm
<b>ACX7202</b>	24V	12V	15A	153 x 120 x 40mm
<b>ACX7203</b>	24V	12V	20A	171 x 120 x 40mm
<b>ACX7204</b>	24V	12V	10A	67 x 120 x 40mm







**OEX**

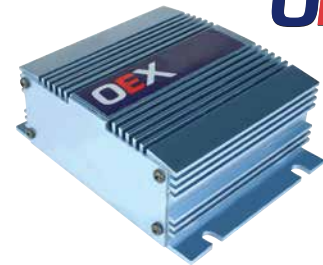
VOLTAGE CONTROL

## ACX7205

### Voltage Reducer 4 Circuit

LED indicators to indicate each circuit function  
 Over voltage & short circuit protection  
 High technology module power conversion provides over 90% power efficiency  
 To suit trailer lighting circuits including incandescent & LED lights

	<b>VOLTAGE FROM</b> 24V
	<b>VOLTAGE TO</b> 12V
	<b>AMPS</b> 10A
	<b>DIMENSIONS</b> 100 x 120 x 40mm



**OEX**

## Voltage Reducer Linear

Ideal for communication equipment in trucks, boats & cranes including mobile phones, car radios & CB radios

Part No.	Voltage From	Voltage To	Amps	Dimensions
<b>VRT7</b>	24V	12V	7A	110 x 135 x 75mm
<b>VRT10</b>	24V	12V	10A	156 x 135 x 75mm
<b>VRT20</b>	24V	12V	20A	300 x 135 x 75mm
<b>VRT30</b>	24V	12V	30A	450 x 135 x 45mm







THE POWER OF  
**REDARC**

## VRM

### Voltage Reducer 4 Circuit

Trailer light voltage reducers  
 Highly efficient design  
 Fully encapsulated, protected against overload & short circuit  
 Suitable for use with LED lights  
 Robust construction

	<b>VOLTAGE FROM</b> 24V
	<b>VOLTAGE TO</b> 12V
	<b>AMPS</b> 10A
	<b>DIMENSIONS</b> 44 x 30 x 210mm



THE POWER OF  
**REDARC**

THE POWER OF  
**REDARC**



## VRM-REV

### Voltage Reducer 5 Circuit

Trailer light voltage reducers  
Highly efficient design  
Fully encapsulated, protected against overload & short circuit  
Suitable for use with LED lights  
Robust construction

	<b>VOLTAGE FROM</b> 24V
	<b>VOLTAGE TO</b> 12V
	<b>AMPS</b> 10A
	<b>DIMENSIONS</b> 44 x 30 x 210mm

THE POWER OF  
**REDARC**



## VRL

### Voltage Reducer 4 Circuit

Trailer light voltage reducers  
Highly efficient design  
Fully encapsulated, protected against overload & short circuit  
Suitable for use with LED lights  
Robust construction

	<b>VOLTAGE FROM</b> 24V
	<b>VOLTAGE TO</b> 12V
	<b>AMPS</b> 20A
	<b>DIMENSIONS</b> 44 x 30 x 210mm

THE POWER OF  
**REDARC**



## VRS

### Voltage Reducer 4 Circuit

Trailer light voltage reducers  
Highly efficient design  
Fully encapsulated, protected against overload & short circuit  
Suitable for use with LED lights  
Robust construction

	<b>VOLTAGE FROM</b> 24V
	<b>VOLTAGE TO</b> 12V
	<b>AMPS</b> 30A
	<b>DIMENSIONS</b> 44 x 30 x 210mm

THE POWER OF  
**REDARC**



## Voltage Reducer Switch Mode

Compact in size & easy to install  
In built current limiting  
Ignition controlled output  
Wide input voltage range  
High efficiency

Part No.	Voltage From	Voltage To	Amps	Dimensions
<b>SMF2</b>	24V	12V	2A	90 x 45 x 30mm
<b>SMF5</b>	24V	12V	5A	100 x 45 x 30mm
<b>SMF8</b>	24V	12V	8A	125 x 45 x 30mm
<b>SMF10</b>	24V	12V	10A	100 x 135 x 50mm
<b>SMF20</b>	24V	12V	20A	160 x 135 x 50mm
<b>SMF30</b>	24V	12V	30A	160 x 135 x 60mm

THE POWER OF  
**REDARC**



## VRB5C

### Trailer Light Reducer 5 Circuit

Trailer light voltage reducers  
Highly efficient design  
Fully encapsulated, protected against overload & short circuit  
Suitable for use with LED lights  
Robust construction

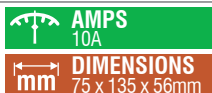
	<b>VOLTAGE FROM</b> 24V
	<b>VOLTAGE TO</b> 12V
	<b>WATTS</b> 360W
	<b>DIMENSIONS</b> 60 x 140 x 315mm



## CE10

### Charge Equaliser

Compact in size & easy to install  
In built current limiting  
Fully sealed  
Input voltage range 19-33VDC

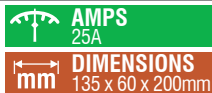


THE POWER OF  
**REDARC**

## CE25

### Charge Equaliser

Designed to keep your 24V batteries equally charged  
Reduce down time and running costs by extending battery life  
Peak load currents are limited only by the battery  
Sealed and suited for commercial applications  
Overload protected  
Input voltage range 19-33V



THE POWER OF  
**REDARC**

## CE40S2

### Charge Equaliser

Designed to keep your 24V batteries equally charged  
Reduce down time and running costs by extending battery life  
Peak load currents are limited only by the battery  
Sealed and suited for commercial applications  
Overload protected  
Input voltage range 19-33V



THE POWER OF  
**REDARC**

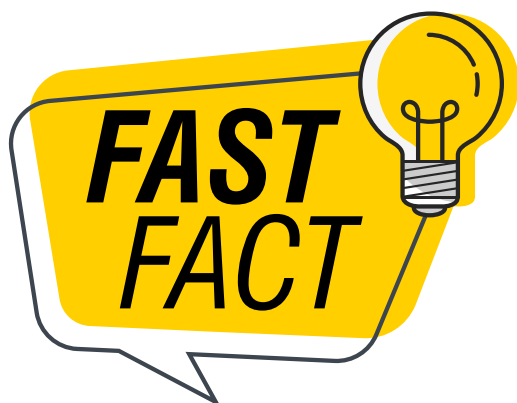
## Regulated Power Supply

The REDARC DPS2410 is a 24V, 10A DC power supply that provides constant, regulated power for all sensitive load requirements, not to be used as a charger  
Dimensions: 150 x 120 x 37mm

Part No.	Input Voltage	Output Voltage	Watts	Amps
DPS2410	9-32V	24V	240W	10A
DPS2420	9-32V	24V	480W	20A



THE POWER OF  
**REDARC**



## Question

What is the difference between a Switchmode and a Linear Reducer?

## Answer

Switchmode Reducers are more complex and more costly to manufacture than the Linear Reducers, but are more efficient; 90 - 95% for Switchmode compared to approximately 50% for Linear.

This results in a much more compact and cooler running converter with better regulation and superior protection against overloads, short circuits and incorrect connections.

THE POWER OF  
**REDARC**



## SMPA120

### Solar Folding Panel 5m Cable

Monocrystalline construction  
Strong aluminium frame  
Tempered glass coating  
diode protected  
5 year structural warranty  
25 year/80% efficiency warranty

<b>WATTS</b> 120W	<b>SHORT CIRCUIT CURRENT</b> 7.3A
<b>MAX POWER VOLTAGE</b> 17.8V	<b>DIMENSIONS</b> 1010 x 770 x 35mm
<b>MAX AMPS CURRENT</b> 6.7A	<b>WEIGHT</b> 12kg
<b>OPEN CIRCUIT VOLTAGE</b> 22.3V	

THE POWER OF  
**REDARC**



## SMPA160

### Solar Folding Panel 5m Cable

Monocrystalline construction  
Strong aluminium frame  
Tempered glass coating  
diode protected  
5 year structural warranty  
25 year/80% efficiency warranty

<b>WATTS</b> 160W	<b>SHORT CIRCUIT CURRENT</b> 9.7A
<b>MAX POWER VOLTAGE</b> 17.8V	<b>DIMENSIONS</b> 1010 x 1005 x 35mm
<b>MAX AMPS CURRENT</b> 9A	<b>WEIGHT</b> 16kg
<b>OPEN CIRCUIT VOLTAGE</b> 22.3V	

THE POWER OF  
**REDARC**



## SSF1115

### Sun Power Folding Solar

Lightweight and compact  
Folds away as easily as a blanket  
Genuine industry standard SB 50  
plug connectors

<b>WATTS</b> 115W	<b>SHORT CIRCUIT CURRENT</b> 6.17A
<b>MAX POWER VOLTAGE</b> 19.8V	<b>DIMENSIONS</b> 1080 x 930 x 4mm
<b>MAX AMPS CURRENT</b> 5.8A	<b>WEIGHT</b> 4.5kg
<b>OPEN CIRCUIT VOLTAGE</b> 23.76V	

THE POWER OF  
**REDARC**



## SSF1150

### Sun Power Folding Solar

Lightweight and compact  
Folds away as easily as a blanket  
Genuine industry standard SB 50  
plug connectors

<b>WATTS</b> 150W	<b>SHORT CIRCUIT CURRENT</b> 9.26A
<b>MAX POWER VOLTAGE</b> 17.6V	<b>DIMENSIONS</b> 1405 x 930 x 4mm
<b>MAX AMPS CURRENT</b> 8.7A	<b>WEIGHT</b> 6kg
<b>OPEN CIRCUIT VOLTAGE</b> 21.12V	

THE POWER OF  
**REDARC**



## SSF1190

### Sun Power Folding Solar

Lightweight and compact  
Folds away as easily as a blanket  
Genuine industry standard SB 50  
plug connectors

<b>WATTS</b> 191W	<b>SHORT CIRCUIT CURRENT</b> 12.34A
<b>MAX POWER VOLTAGE</b> 16.5V	<b>DIMENSIONS</b> 1720 x 930 x 4mm
<b>MAX AMPS CURRENT</b> 11.6A	<b>WEIGHT</b> 7.2kg
<b>OPEN CIRCUIT VOLTAGE</b> 19.8V	

THE POWER OF  
**REDARC**



## SMR1050

### Monocrystalline Solar Panel








Monocrystalline construction  
Strong aluminium frame  
Tempered glass coating  
diode protected  
5 year structural warranty  
25 year/80% efficiency warranty

<b>WATTS</b> 50W	<b>SHORT CIRCUIT CURRENT</b> 3A
<b>MAX POWER VOLTAGE</b> 18V	<b>DIMENSIONS</b> 645 x 540 x 35mm
<b>MAX AMPS CURRENT</b> 2.78A	<b>WEIGHT</b> 4.5kg
<b>OPEN CIRCUIT VOLTAGE</b> 22.2V	

## SMR1080

### Monocrystalline Solar Panel

Monocrystalline construction  
 Strong aluminium frame  
 Tempered glass coating  
 diode protected  
 5 year structural warranty  
 25 year/80% efficiency warranty

 <b>WATTS</b> 80W	 <b>SHORT CIRCUIT CURRENT</b> 4.8A
 <b>MAX POWER VOLTAGE</b> 18V	 <b>DIMENSIONS</b> 963 x 540 x 35mm
 <b>MAX AMPS CURRENT</b> 4.45A	 <b>WEIGHT</b> 6.5kg
 <b>OPEN CIRCUIT VOLTAGE</b> 22.25V	










THE POWER OF  
**REDARC**

## SMR1120

### Monocrystalline Solar Panel

Monocrystalline construction  
 Strong aluminium frame  
 Tempered glass coating  
 diode protected  
 5 year structural warranty  
 25 year/80% efficiency warranty

 <b>WATTS</b> 120W	 <b>SHORT CIRCUIT CURRENT</b> 7.22A
 <b>MAX POWER VOLTAGE</b> 18.5V	 <b>DIMENSIONS</b> 963 x 808 x 35mm
 <b>MAX AMPS CURRENT</b> 6.5A	 <b>WEIGHT</b> 9.5kg
 <b>OPEN CIRCUIT VOLTAGE</b> 22.5V	










THE POWER OF  
**REDARC**

## SMR1150

### Monocrystalline Solar Panel

Monocrystalline construction  
 Strong aluminium frame  
 Tempered glass coating  
 diode protected  
 5 year structural warranty  
 25 year/80% efficiency warranty

 <b>WATTS</b> 150W	 <b>SHORT CIRCUIT CURRENT</b> 8.67A
 <b>MAX POWER VOLTAGE</b> 18.5V	 <b>DIMENSIONS</b> 1210 x 808 x 35mm
 <b>MAX AMPS CURRENT</b> 8.11A	 <b>WEIGHT</b> 12kg
 <b>OPEN CIRCUIT VOLTAGE</b> 22.5V	










THE POWER OF  
**REDARC**

## SMR1150-SL

### Monocrystalline Solar Panel

Monocrystalline construction  
 Strong aluminium frame  
 Tempered glass coating  
 diode protected  
 5 year structural warranty  
 25 year/80% efficiency warranty

 <b>WATTS</b> 150W	 <b>SHORT CIRCUIT CURRENT</b> 9A
 <b>MAX POWER VOLTAGE</b> 18.5V	 <b>DIMENSIONS</b> 1480 x 670 x 35mm
 <b>MAX AMPS CURRENT</b> 8.11A	 <b>WEIGHT</b> 11.0kg
 <b>OPEN CIRCUIT VOLTAGE</b> 22.5V	

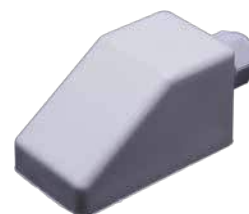


THE POWER OF  
**REDARC**

## SMC0001

### Solar Cable Gland Single

Single cable gland  
 ABS plastic



THE POWER OF  
**REDARC**

## SMI9001

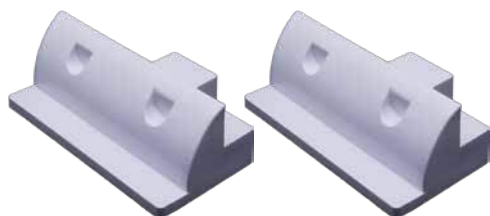
### Solar Panel Plastic Corner Mount

ABS plastic corner mount  
 Set of 4  
 145 x 145 x 65mm



THE POWER OF  
**REDARC**

THE POWER OF  
**REDARC**

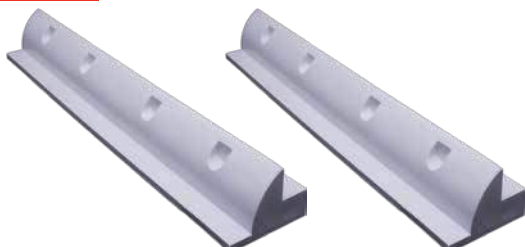


## SMI9002

Solar Panel Plastic Side Mount

ABS plastic spoiler mounts  
Set of 2  
180 x 119 x 65mm

THE POWER OF  
**REDARC**



## SMI9003

Solar Panel Plastic Spoiler Mount

ABS plastic spoiler mounts  
Set of 2  
583 x 89 x 65mm

THE POWER OF  
**REDARC**



## SRC0001-CK

MC4 Solar Connector Kit

For extending or shortening existing solar cables

THE POWER OF  
**REDARC**



## SRC0001

5m Regulator-Panel Cable 4mm

MC4 connectors

THE POWER OF  
**REDARC**



## SRC0003

1.5m Regulator-Battery Cable 4mm

MC4 connectors

THE POWER OF  
**REDARC**



## SRC0006

Solar Panel Y-Adaptors Positive/Negative

MC4 connectors  
Use to join multiple solar panels in parallel



# SRC0010

1.5m Anderson-Battery Terminal

THE POWER OF  
**REDARC**



## Anderson to Anderson Cables

Part No.	Length	Cable Size	Weight
<b>SRC0019</b>	10m	AWG10	2.0kg
<b>SRC0018</b>	5m	AWG10	1.0kg

THE POWER OF  
**REDARC**









# SRP0120

Solar Regulator

LED indicators

Note: input & output, voltages depends on, system voltage

 <b>12 VOLT SYSTEM</b> 14.6V Output/ 30V Input	 <b>WATTS</b> 120W
 <b>24 VOLT SYSTEM</b> 29.2V Output/ 55V Input	 <b>AMPS</b> 10A
	 <b>STAGES</b> Multi Stage
	 <b>OUTPUTS</b> 2 Battery Outputs

THE POWER OF  
**REDARC**









# SRP0240

Solar Regulator

LED indicators

note: input & output, voltages depends on, system voltage

 <b>12 VOLT SYSTEM</b> 14.6V Output/ 30V Input	 <b>WATTS</b> 240W
 <b>24 VOLT SYSTEM</b> 29.2V Output/ 55V Input	 <b>AMPS</b> 20A
	 <b>STAGES</b> Multi Stage
	 <b>OUTPUTS</b> 2 Battery Outputs

THE POWER OF  
**REDARC**



# SRP0240-TP

Remote Temperature Probe

Remote temperature sensor to suit SRP0240 & SRP0120

THE POWER OF  
**REDARC**



# SRP0240-RM

12V Solar Regulator Meter

Remote monitor to suit SRP0240 & SRP0120

Displays solar panel, voltage & amps, battery voltage, time & temperature

THE POWER OF  
**REDARC**



THE POWER OF  
**REDARC**



## SRPA0120

### 10A Solar Regulator with Anderson Connectors

Multi-stage charging-boost, absorption and float  
Works with multiple battery types  
Multiple levels of protection, over temperature, over charge, reverse polarity

<b>VOLTAGE</b> 12/24V	<b>DIMENSIONS</b> 28 x 153 x 98mm
<b>AMPS</b> 10A	<b>WEIGHT</b> 0.48kg
<b>WATTS</b> 120/240W	
<b>ENVIRONMENT</b> IP55	

THE POWER OF  
**REDARC**



## SRPA0240

### 20A Solar Regulator with Anderson Connectors

Multi-stage charging-boost, absorption, and float  
Works with multiple battery types  
Multiple levels of protection, over temperature, over charge, reverse polarity

<b>VOLTAGE</b> 12/24V	<b>DIMENSIONS</b> 28 x 153 x 103mm
<b>AMPS</b> 20A	<b>WEIGHT</b> 0.52kg
<b>WATTS</b> 240/480W	
<b>ENVIRONMENT</b> IP55	

THE POWER OF  
**REDARC**



## SRPA0360

### 30A Solar Regulator with Anderson Connectors

Multi-stage charging- boost, absorption and float  
Works with multiple battery types  
Multiple levels of protection, over temperature, over charge, reverse polarity

<b>VOLTAGE</b> 12/24V	<b>DIMENSIONS</b> 28 x 153 x 108mm
<b>AMPS</b> 30A	<b>WEIGHT</b> 0.55kg
<b>WATTS</b> 360/720W	
<b>ENVIRONMENT</b> IP55	

THE POWER OF  
**REDARC**



## SRPA-RM

### Remote Monitor

Remote monitor to suit SRPA0120, SRPA0240 & SRPA0360  
To suit 12 or 24V systems  
Large, backlit 3" display  
Displays solar panel, voltage & amps, battery voltage, time & temperature

THE POWER OF  
**REDARC**



## SRPA20-VP

### Solar Regulator & Cable Pack

Multi-stage charging- boost, absorption and float  
Works with multiple battery types  
Multiple levels of protection, over temperature, over charge, reverse polarity

Pack contains: 5m Anderson to Anderson cable, 1.5m Anderson to battery clip cable and 20A solar regulator

<b>VOLTAGE</b> 12/24V	<b>DIMENSIONS</b> 28 x 153 x 98mm
<b>AMPS</b> 20A	<b>WEIGHT</b> 0.48kg
<b>WATTS</b> 120/240W	
<b>ENVIRONMENT</b> IP55	

**THUNDER**  
*Connect it your Weekend Escape*



## TDR15001

### Solar Panel

Made of high quality monocrystalline solar cells which provide maximum efficiency and longevity.  
Use with a DC-DC charger and dual battery system or connect your secondary battery to a regulator and power distribution box to charge devices.








<b>WATTS</b> 50W	<b>SHORT CIRCUIT CURRENT</b> 3.19A
<b>MAX POWER VOLTAGE</b> 18V	<b>DIMENSIONS</b> 675 x 540 x 35mm
<b>MAX AMPS CURRENT</b> 2.78A	<b>WEIGHT</b> 4.0kg
<b>OPEN CIRCUIT VOLTAGE</b> 22.5V	

## TDR15002

### Solar Panel

Made of high quality monocrystalline solar cells which provide maximum efficiency and longevity.

Use with a DC-DC charger and dual battery system or connect your secondary battery to a regulator and power distribution box to charge devices.

 <b>WATTS</b> 80W	 <b>SHORT CIRCUIT CURRENT</b> 5.05A
 <b>MAX POWER VOLTAGE</b> 18.23V	 <b>DIMENSIONS</b> 790 x 675 x 35mm
 <b>MAX AMPS CURRENT</b> 4.38A	 <b>WEIGHT</b> 5.8kg
 <b>OPEN CIRCUIT VOLTAGE</b> 21.88V	










## TDR15003

### Solar Panel

Made of high quality monocrystalline solar cells which provide maximum efficiency and longevity.

Mount to roof racks or camper roof for use with a DC-DC charger and dual battery system or connect to a 12V battery box to charge devices.

 <b>WATTS</b> 120W	 <b>SHORT CIRCUIT CURRENT</b> 7.5A
 <b>MAX POWER VOLTAGE</b> 18.4V	 <b>DIMENSIONS</b> 1,130 x 680 x 35mm
 <b>MAX AMPS CURRENT</b> 6.52A	 <b>WEIGHT</b> 8.5kg
 <b>OPEN CIRCUIT VOLTAGE</b> 22.8V	










## TDR15004

### Solar Panel

Made of high quality monocrystalline solar cells which provide maximum efficiency and longevity.

Mount to roof racks or camper roof for use with a DC-DC charger and dual battery system or connect to a 12V battery box to charge devices.

 <b>WATTS</b> 150W	 <b>SHORT CIRCUIT CURRENT</b> 9.35A
 <b>MAX POWER VOLTAGE</b> 18.45V	 <b>DIMENSIONS</b> 1,480 x 680 x 35mm
 <b>MAX AMPS CURRENT</b> 8.13A	 <b>WEIGHT</b> 12.0kg
 <b>OPEN CIRCUIT VOLTAGE</b> 22.14V	



## TDR15009

### 10A Solar Regulator

Suitable for solar panels up to 120W

Open circuit of solar panel <50V,

Low voltage disconnection 10.7/21.4V, low voltage reconnection 12.6/25.2V

No load current 25mA

Waterproof MPPT regulator

LED indicators

Fully automatic



## TDR15008

### 30A Solar Regulator And Monitor

Open circuit of solar panel <50V

Low voltage disconnection 10.7/21.4V, low voltage reconnection 12.6/25.2V

No load current 30mA

Waterproof PWM regulator and battery monitor

Suitable for solar panels up to 360 watts

LCD monitor

Fully automatic



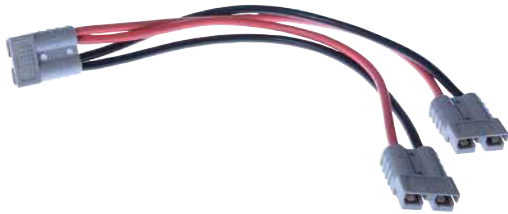
## TDR02003

### 3m Extension Lead

6 B&S cable

50 Anderson style connector





### TDR02004

#### Single to Twin Adaptor

8 B&S cable  
50A Anderson style connectors



### TDR02005

#### 50A Anderson Style Connector to Eye Terminal Lead

8 B&S cable



### TDR02006

#### 50A Anderson Style Connector to Battery Clip Lead

8 B&S cable



### SC110

#### 10A Solar Regulator And Monitor

Digital LED screen - displays battery voltage, charging current, charging capacity, fault codes and more

LED charge indicator - displays quick reference to charge status and battery condition

Multi-chemistry - set the charging profile to suit battery chemistry wet, calcium, AGM or gel

Sealed electronics - conformal coated circuit board and plated terminals protect controller from the elements

Temperature sensor - built-in sensor enables unit to optimise charge performance



### SC220

#### 20A Solar Regulator And Monitor

Digital LED screen - displays battery voltage, charging current, charging capacity, fault codes and more

Dual USB ports - 5V 2.4A USB ports for powering direct from controller

Multi-chemistry - Set the charging profile to suit battery chemistry wet, AGM or gel, or user settings

Low voltage disconnect - Set the disconnect voltage point to best suit your application, protecting your battery from over discharge

Temperature sensor - built-in sensor enables unit to optimise charge performance



### SC245

#### 45A Solar Regulator And Monitor

Digital LED screen - displays battery voltage, charging current, charging capacity, fault codes and more

Dual USB ports - 5V 2.4A USB ports for powering direct from controller

Multi-chemistry - Set the charging profile to suit battery chemistry wet, AGM or gel, or user settings

Low voltage disconnect - Set the disconnect voltage point to best suit your application, protecting your battery from over discharge, temperature sensor

Built-in sensor enables unit to optimise charge performance



**PROFESSIONAL  
CHARGING**

# POWERFUL BATTERY PROTECTION

**POWERFUL PROTECTION FOR THE WORKSHOP AND SHOWROOM**



## **PRO15S**

The PRO15S is a powerful and fully automatic 15A battery charger and maintainer, compatible with any 12V battery, including Lithium-Ion (LiFePO<sub>4</sub>). Safe, strong & robust, it can handle heat, dust & humidity. Combining fast and powerful charging with long-term maintenance capability, the PRO15S is the ideal charger for the workshop, the car, the caravan or the boat.

- Charges and maintains batteries from 40 Ah up to 500 Ah (30-450 Ah for lithium).
- Recond program.
- Power supply for 12 V equipment.
- Automatic temperature compensation for high efficiency.















## **PRO25S**

The PRO25S is an innovative, versatile and highly efficient 25 A battery charger and power supply, designed around the needs of the automotive professional. Combining power & advanced technology with safety, portability and flexibility to work with any 12 V vehicle battery including Lithium-Ion (LiFePO<sub>4</sub>), the PRO25S is the perfect solution to professional battery charging, in the workshop or the showroom.

- Charges and maintains batteries from 40 Ah up to 500 Ah (30-450 Ah for lithium).
- Recond program.
- Power supply for 12 V equipment.
- Automatic temperature compensation for high efficiency.

# CHARGER GUIDE

● Best    ● Good

Voltage	12V				
Product					
Description	<i>XS0.8</i>	<i>MXS3.8</i>	<i>START/STOP</i>	<i>MXS5.0</i>	<i>TIME TO GO</i>
Charging Step	<i>0.8A</i>	<i>3.8A</i>	<i>3.8A</i>	<i>5A</i>	<i>5A</i>
Warranty	<i>8-step</i>	<i>7-step</i>	<i>7-step</i>	<i>8-step</i>	<i>8-step</i>
Warranty	<i>5 year</i>	<i>5 year</i>	<i>5 year</i>	<i>5 year</i>	<i>5 year</i>
	●	●		●	
		●		●	
	●	●		●	
		●	●	●	●
				●	●
					
					

12V					24V	
						
<b><i>MXS7.0</i></b>	<b><i>MXS10</i></b>	<b><i>PRO15S</i></b>	<b><i>PRO25S</i></b>	<b><i>LITHIUM XS</i></b>	<b><i>MXT4.0</i></b>	<b><i>MXT14</i></b>
<b><i>7A</i></b>	<b><i>10A</i></b>	<b><i>15A</i></b>	<b><i>25A</i></b>	<b><i>5A</i></b>	<b><i>4A</i></b>	<b><i>14A</i></b>
<b><i>8-step</i></b>	<b><i>8-step</i></b>	<b><i>8-step</i></b>	<b><i>8-step</i></b>	<b><i>8-step</i></b>	<b><i>8-step</i></b>	<b><i>8-step</i></b>
<b><i>5 year</i></b>	<b><i>2 year</i></b>	<b><i>2 year</i></b>	<b><i>2 year</i></b>	<b><i>5 year</i></b>	<b><i>2 year</i></b>	<b><i>2 year</i></b>
				●		
				●		
●	●	●	●	●		
●	●	●	●			●
●	●	●	●		●	●
●	●	●	●			●



## 40-166

### CT5 Start/Stop 12V 3.8A Charger

Charges batteries 14 - 110Ah

Maintains batteries up to 130Ah. The CT5 Start/Stop battery charger and maintainer has been specially designed to charge and maintain batteries in Start/Stop vehicles.

Start/Stop technology is great for the environment but it can put a considerable strain on your battery, especially if it's in an older car. By keeping the battery fully charged, you can take full advantage of all the Start/Stop technology benefits, such as better fuel efficiency and lower CO2 emissions.

If you only make short journeys, use the CT5 Start/Stop once a month to keep your battery in peak condition. And if you're going away on holiday, just connect the charger to the battery to make sure your car's ready to go when you return.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 3.8A
	<b>STAGES</b> 3 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 170 x 65 x 40mm



## 40-164

### CT5 Time To Go 12V 5A Charger

Charges batteries 20 - 160Ah

The groundbreaking CT5 Time To Go battery charger and maintainer is a world first because it answers the question 'When will my battery be fully charged?' This means you can plan your day around your battery charging because the CT5 Time To Go gives you an accurate prediction of the remaining charging time in hours.

Not only that, it'll also tell you when you can safely try to start your vehicle before the battery is fully charged. The CT5 Time To Go uses advanced technology to give you three charging and maintenance programs – normal, AGM and recond.

It's easy to use and fully automatic, so it can be connected directly to the battery indefinitely, if required, and it won't over or under charge.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 5A
	<b>STAGES</b> 7 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 170 x 65 x 40mm



## XC0.8

### 6V 0.8A Battery Charger 4 Stage

Charges batteries from 1.2Ah to 100Ah

Fully automatic charging

Includes patented desulphation & pulse, maintenance programs

Unit supplied with alligator clips and eye terminals

	<b>VOLTAGE</b> 6V
	<b>AMPS</b> 0.8A
	<b>STAGES</b> 4 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 142 x 51 x 36mm



## XS0.8

### 12V 0.8A Battery Charger 6 Stage

Charges batteries from 1.2Ah to 32Ah

Maintains batteries up to 100Ah

Unit supplied with alligator clips and eye terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 0.8A
	<b>STAGES</b> 6 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 145 x 55 x 38mm










## MXS3.8

### 12 3.8A Battery Charger 7 Stage

Charges batteries from 1.2 - 85Ah  
 Maintains up to 130Ah  
 Fully automatic - safe & easy to use, connect & forget  
 Polarity protection against incorrectly connected clamps  
 7 Stage Operation - extending battery life through desulphation & maintenance stages  
 Cold weather option - delivering a higher  
 Unit supplied with alligator clips and eye terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 3.8A
	<b>STAGES</b> 7 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 168 x 65 x 38mm








**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## MXS5.0

### 12V 5A Battery Charger 8 Stage

Charges batteries from 1.2 - 110Ah  
 Maintains up to 160Ah  
 Fully automatic - safe & easy to use, connect & forget  
 Polarity protection against incorrectly, connected clamp  
 8 Stage Operation - extending battery life, through desulphation & maintenance stages  
 Cold weather option - delivering a higher  
 Unit supplied with alligator clips and eye terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 5A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 168 x 65 x 38mm








**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## MXS7.0

### 12V 7A Battery Charger 8 Stage

Charges batteries from 14Ah to 150Ah  
 Maintains batteries up to 225Ah  
 Supply mode can be used as a 12V power  
 Source to protect electrical settings  
 Recon mode can correct the acid stratification, that often occurs in deeply discharged batteries, restoring its power & increasing service life.  
 Unit supplied with alligator clips and eye terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 7A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 197 x 93 x 49mm








**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## MXS10

### 12V 10A Battery Charger 8 Stage

Charges batteries from 20Ah to 200Ah  
 Maintains batteries up to 300Ah  
 Supply mode can be used as a 12V power  
 Source to protect electrical settings recon mode can correct the acid stratification, that often occurs in deeply discharged batteries, restoring its power & increasing service life.  
 Unit supplied with alligator clips and eye terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 197 x 93 x 49mm








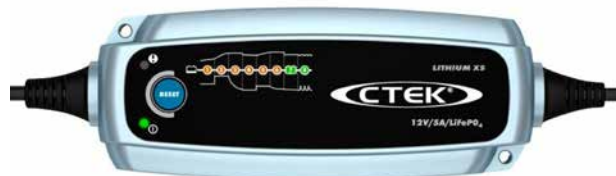
**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## LITHIUM XS

### 12V 5A Lithium Charger 8 Stage

5A of charge current  
 Suitable to LiFePO4 lithium batteries from 5Ah to 60Ah & maintains batteries up to 120Ah  
 No need to disconnect the battery from the vehicle  
 Has the ability to reset any low voltage, protection contained within the battery fully automatic with a testing sequence to show if the battery can take & retain charge  
 Non sparking & reverse polarity protected, unit supplied with alligator clips and eye terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 5A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 168 x 65 x 38mm



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## 40-006

### Charger Mounting Bracket

Suits MXS3.8, MXS5.0, MXS5.0TESTCHARGE & Lithium XS



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



### 56-260

#### Comfort Connector 6mm Eyelets

Quick connector - Ideal addition for that extra jet ski, lawn mower, caravan or car for maintaining your battery in, peak condition

Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10

6.4mm eyelet terminals  
400mm cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A



### 56-261

#### Comfort Connector 8mm Eyelets

Quick connector - Ideal addition for that extra jet ski, lawn mower, caravan or car for maintaining your battery in, peak condition

Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10

8mm eyelet terminals  
400mm cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A



### 56-329

#### Comfort Connector 10mm Eyelets

Quick connector - ideal addition for that extra jet ski, lawn mower, caravan or car for maintaining your battery in peak condition

Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10

10mm eyelet terminals  
400mm cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A



### 56-382

#### Comfort Indicator 8mm Eyelet

Quick connect/comfort indicator: 8.4mm eyelet terminals  
Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10

Uses traffic lights system to show state of charge of your battery  
500mm cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A



### 56-380

#### Comfort Indicator Panel M8 x 1.5mm

Panel Quick Connect/Comfort Indicator: 8.4mm Eyelet Terminals  
Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10

Uses traffic lights system to show state of charge of your battery  
1.5m cables

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A



### 56-384

#### Comfort indicator with clamps

Ideal addition for that extra jet ski, lawn mower, caravan or car for maintaining your battery in peak condition

To suit XC 800, XS 800, MXS3.6, MXS5.0, MXS7.0, XC0.8, XS0.8



1.5m cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A

## 56-304

### Comfort Connect 2.5m Extension

Useful extension cable which allows CTEK accessories to be connected or charger placed some distance from battery  
Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10  
2.5m cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A





**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## 56-870

### Comfort Indicator Cigarette Plug

Provides an indication of battery charge and charging port without the need to lift the bonnet  
Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A





**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## 56-263

### Comfort Connect Cigarette Plug

Ideal addition for maintaining your battery in peak condition via your vehicles cigarette lighter  
Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10  
Socket must be powered even when ignition is in 'off' position  
400mm cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A





**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## 56-573

### Comfort Connect Cigarette Socket

Suits XC0.8, XS0.8, MXS3.8, MXS5.0, MXS5.0TESTCHARGE, MXS7.0 & MXS10  
Increases the usage of the comfort connect socket turning it into a accessories socket to power your 12V accessories  
1m cable

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## Bumper Covers

Helps protect the charger from bumps and scratches also giving extra grip on slippery surfaces

Part No.	Description
40-058	Bumper 100 Cover suits 7A CTEK chargers
40-059	Bumper 120 cover suits 10A CTEK chargers








**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## MXS10EC

### 12V 10A Workshop Battery Charger

The MXS10EC is a fully automatic 8 stage charger that delivers 10A to 12V batteries from 40Ah to 500Ah  
Equipped with an extra long 4m leads, protects vehicle electronics, spark free, protected from polarity reversal and is short, circuit proof  
Supplied with 4m cables and clips  
Protective rubber bumper

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP65
	<b>DIMENSIONS</b> 197 x 93 x 49mm



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



## PRO15S

### 12V 15A Battery Charger

The PRO15S is a powerful and fully automatic 15A battery charger and maintainer, compatible with any 12V battery, including lithium. Charging batteries from 20 - 350Ah, maintains batteries 350Ah. 12V lithium batteries (LiFePO4, Li-Fe, Li-iron, LFP) 20 - 300Ah. Advanced technology will ensure that a safe, fast charge is delivered to exactly meet the needs of the individual battery. The PRO15S has a dedicated reconditioning programme to restore battery life and recondition flat batteries.

Unit supplied 2m cable with alligator clips

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A
	<b>STAGES</b> 6 Stage
	<b>ENVIRONMENT</b> IP43
	<b>DIMENSIONS</b> 235 x 130 x 65 mm

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



## PRO25S

### 12V 25A Battery Charger 8 Stage

Charging batteries from 50Ah to 500Ah. Maintains batteries up to 500Ah. 12V lithium batteries (LiFePO4, Li-Fe, Li-iron, LFP) 30 - 450Ah. Supply mode can be used as a 12V power source to protect electrical settings. Recon Mode can correct the acid stratification, that often occurs in deeply discharged batteries, restoring its power & increasing service life.

Unit supplied 2m cables and alligator clips

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP44
	<b>DIMENSIONS</b> 235 x 130 x 65 mm

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



## MXS25EC

### 12V 25A Battery Charger 8 Stage

The MXS25EC is a fully automatic 8 stage charger that delivers 25A to 12V batteries from, 40Ah to 500Ah. Equipped with an extra long 6m cable. Protects vehicle electronics. Spark free. Protected from polarity reversal & is short circuit proof.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP44
	<b>DIMENSIONS</b> 235 x 130 x 65mm

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



## MXTS40

### 12V/24V 40A/20A 40A Battery Charger

Battery capacity: 12V: 20Ah to 200Ah, 24V: 10Ah to 600Ah. Ideal for workshop & showroom use. Electronically safe multi stage rapid charging. Selectable constant voltage power supply to ECUs. Temperature compensation & battery. Reconditioning functions. Heavy duty 2.5m detachable charge cables & clamps.

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 40A @ 12V 20A @ 24V
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP20
	<b>DIMENSIONS</b> 254 x 160 x 76mm

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



## MXTS70

### 12/24V 70/50A Battery Charger

Charging battery from 20 - 1500Ah, 24V 10 - 750Ah. Heavy duty 6m charge cables and clamps. Both a high current power supply for memory, flashing & a powerful workshop charger with, state of the art technology, developed for both 12V & 24V lead acid. Batteries features different displays, showing the status of charging, charge voltage, current, charge time (h) and energy indication (Ah) for battery condition control.

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 70A @ 12V 50A @ 24V
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP20
	<b>DIMENSIONS</b> 338 x 178 x 80mm

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



## 40-232

### PRO60 Battery Charger - Power Supply

Charger and power supply battery capacity - lead acid 10-1800Ah; Lithium 15-600Ah. 60A constant power supply. Cable length 5m. Safety: Spark free operation, reverse polarity protected, flexible use between 12.6V and 14.8V, selectable in 0.1V increments. Memory saver mode provides power and preserves vehicle settings if the battery is removed.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 60A
	<b>ENVIRONMENT</b> IP40



## 40-230

### PR0120 Battery Charger - Power Supply




Charger and power supply, battery capacity - lead acid 10-3000Ah; Lithium 15-1200Ah

120A constant power supply

Cable length 5m

Safety: spark free operation, reverse polarity protected, flexible use between 12.6V and 14.8V, selectable in 0.1V increments

Memory saver mode provides power and preserves vehicle settings if the battery is removed

 <b>VOLTAGE</b> 12V
 <b>AMPS</b> 120A
 <b>ENVIRONMENT</b> IP40



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## MXT4.0






### 24V 4A Battery Charger 8 Stage

Charging batteries from 8Ah to 100Ah

Maintains batteries up to 250Ah

Recon mode can correct the acid stratification that often occurs in deeply discharged batteries, restoring its power & increasing service life

Supplied with alligator clips & eye terminals

 <b>VOLTAGE</b> 24V
 <b>AMPS</b> 4A
 <b>STAGES</b> 8 Stage
 <b>ENVIRONMENT</b> IP65
 <b>DIMENSIONS</b> 191 x 89 x 49mm



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## MXT14

### 24V 14A Battery Charger 8 Stage

Charging batteries 28 - 300Ah






Maintains batteries up to 500Ah

Professional 24V charger

Developed for commercial vehicles where the batteries are put under considerable strain

Ideal for busses, trucks & CV workshops

Supplied with alligators clips

 <b>VOLTAGE</b> 24V
 <b>AMPS</b> 14A
 <b>STAGES</b> 8 Stage
 <b>ENVIRONMENT</b> IP65
 <b>DIMENSIONS</b> 235 x 130 x 65mm



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## 40-289

### 12V 120A Smartpass 120S Charger






Smartpass can be intergrated with the D250SE to ensure optimal battery charging.

The Smartpass manages the energy transfer through the D250SE which the converts & produces the optimal voltage of 14.4V even if the alternator only produces 14V

Compatible with smart alternators

Battery capacity 28-800Ah lead, acid and lithium

Stops charging if temperature is too high

 <b>VOLTAGE</b> 12V
 <b>AMPS</b> 120A
 <b>STAGES</b> 5 Stage
 <b>ENVIRONMENT</b> IP65
 <b>DIMENSIONS</b> 192 x 110 x 65mm



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## 40-315

### D250SE 12V 20A DC-DC Charger






Battery capacity 40 - 300Ah lead acid and lithium

Parallel input from both alternator and solar panel

Starter battery maintenance charging when auxiliary battery is fully charged

5 step charge algorithm

Smart alternator compatible

 <b>VOLTAGE</b> 12V
 <b>AMPS</b> 20A
 <b>STAGES</b> 5 Stage
 <b>ENVIRONMENT</b> IP65
 <b>DIMENSIONS</b> 192 x 110 x 65mm








**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

## M100

### 12V 7A Marine Battery Charger

Recon Mode for reviving deeply discharged batteries

AGM program mode providing a slight charge rate for AGM batteries

 <b>VOLTAGE</b> 12V
 <b>AMPS</b> 7A
 <b>STAGES</b> 8 Stage
 <b>ENVIRONMENT</b> IP65
 <b>DIMENSIONS</b> 191 x 89 x 48mm



**CTEK**  
MAXIMIZING BATTERY PERFORMANCE

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



**M15**

12V 15A Marine Battery Charger

Charging batteries from 28 to 300Ah and lithium 20 to 280Ah  
The perfect solution for those who need to charge large 12V batteries

4m long secondary cable & a temperature sensor for optimised charging irrespective of temperature, which gives extra flexibility in permanent installations with M10 eyelets for easy installation on your boat.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP44

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



**M25**

12V 25A Marine Battery Charger

Charging batteries from 40 to 500Ah and lithium 30 to 450Ah  
The M25 is the perfect 25A battery charger for all boat owners. It has a range of functions, including a Recond mode for reconditioning deeply discharged wet and CA/CA batteries, and a temperature sensor which optimises the charge if the temperature deviates from +25°C.

It also has a lithium mode for lithium batteries. The M25 comes with a long 4m cable with M10 eyelets for easy installation on your boat

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>STAGES</b> 8 Stage
	<b>ENVIRONMENT</b> IP44

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



**56-867**

Comfort Connector XLR - MXT

Comfort connector XLR allows you to connect the CTEK MXT40 directly to an XLR socket found on many 24V wheelchairs and mobility scooters

400mm cable length

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



**40-187**

PRO60 Wall Hanger

Lets you mount your CTEK PRO60 charger securely on a wall  
The durable hook keeps cables tidy

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



**56-604**

Trolley Pro Test Charge Station

Mobile test/charge station  
Can carry all your battery management equipment such as a charger, laptop, batteries and other analysis equipment  
Can mount 1x 25A/12V, 14A/24V or, 2x 25A/12V, 14A/24V  
Steel construction with rubber wheels  
Black powder coating  
PRO60 adaptor bracket available: Part No. 40-227

**CTEK**  
MAXIMIZING BATTERY PERFORMANCE



**40-068**

Wall Hanger Bracket -MXTS

Wall bracket to suit MXTS40 & MXTS70  
Allows charger to be neatly mounted on the wall and keep cables neatly stored.

## TDR02014




### 12V 24,000mAh Lithium Jump Starter

Output: Dual quick charge (5V 2.4A; 9V 2A; 12V 1.5A), 12V 10A; 12V jump start

Input: Quick charge (5V 2A; 9V 2A; 12V 1.5A), charging time approximately 5 hours, 1000A peak current for both petrol and diesel engines

Built in 4 mode flash light, 2x USB charging ports, 12V 10A power socket, lithium cobalt battery, jump start petrol & diesel engines

Battery capacity 24000mAh

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 1000A Peak
	<b>DIMENSIONS</b> 237 x 95 x 42mm



**THUNDER**  
Connection is your lifeline

## TDR02015

### 12V 18,000mAh Lithium Jump Starter

800A Peak Current, 18000mAh Lithium Cobalt Battery




Multifunction light and torch

Heavy duty smart jumper cables, output - dual quick charge USB (5V - 2.4A or 9V - 2A), 12V - 10A output

Input - quick charge mini USB (5V - 2.4A or 9V - 2A)

Jump start petrol & diesel engines

Battery capacity 18000mAh

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 800A Peak
	<b>DIMENSIONS</b> 225 x 89 x 30mm



**THUNDER**  
Connection is your lifeline

## LS1250

### 12V 1200A Lithium Jump Starter




The must have companion within any vehicle, this powerful and compact lithium jumpstarter is capable of starting engines up to 4.5L diesel and 7.0L petrol

A powerful LED flood light with SOS function

240V and 12V cigarette lighter plug enables charging from household power point and a 12V vehicle

2.1A and 1.0A USB ports allow charging of phones and other portable devices (micro USB lead included)

Battery capacity 16000mAh

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 1250A Peak
	<b>DIMENSIONS</b> 55 x 205 x 140mm



**PROJECTA**

## IS1500

### 12V 1500A Lithium Jump Starter




Compact lithium jump starter capable of starting engines up to 6.0L diesel and 8.0L petrol

Can start up to 150 petrol or 26 diesel engines on a full charge

Starts vehicles up to 6.0L diesel battery capacity: 8Ah/24,000 mAh

Rapid recharge technology - leave the jump starter connected to the vehicle for 40 seconds after the vehicle starts for 100% recharge

For vehicles that require a clamp output of up to 550A to start their engine. High quality 4-cell 8Ah Li Iron Phosphate battery 8Ah/24,000 mAh. Battery capacity 24000mAh

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 1500A Peak
	<b>DIMENSIONS</b> 96 x 235 x 180mm



**PROJECTA**




## TDR17012

### Battery Monitor Display

Monitor time to empty, battery percentage

Current draw, current input and wattage usage on battery banks up to 590Ah

Shunt operating current: 150A

	<b>VOLTAGE</b> 8 to 60V
	<b>AMPS</b> 0.8A
	<b>DIMENSIONS</b> 66 x 40 x 10mm



**THUNDER**  
Connection is your lifeline

## TDR17013

### 1.5m Extension Lead Suit TDR17012

Accessory for TDR17012 to give total of 3m



**THUNDER**  
Connection is your lifeline



## 40-149

### CTEK Battery Sense

Easily track the health of your vehicle battery with this unique Bluetooth enabled smart tracking device. It's easy to install and data is delivered through a free to download iPhone or Android app

Battery Sense is a Bluetooth® enabled, smart battery management tool. It'll help you prevent vehicle breakdowns and maximise the performance of your battery by giving you valuable, easy to understand information about the state of your battery's charge

	<b>VOLTAGE</b> 12V
	<b>DIMENSIONS</b> 60 x 49 x 15mm



## HMRF2000B

### RF Battery Monitor Display

Hummingbird Electronics RF Battery Monitor allows the user to monitor up to 16 batteries remotely.

	<b>VOLTAGE</b> 9 to 33V
	<b>DIMENSIONS</b> 75 x 52 x 17mm



## HMRF0020

### RF Battery Monitor Transmitter

Accessory for HMB2000B

	<b>VOLTAGE</b> 9 - 33V
	<b>DIMENSIONS</b> 46 x 21 x 12mm



## ACX6205

### 12V 500A Battery Load Analyser

Test 12V batteries up to 1000CCA or 160Ah  
Can be used to test alternator and regulators  
Colour coded separate voltmeter and ammeter  
1 meter leads  
Tape carbon pile load tester

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 500A
	<b>DIMENSIONS</b> 270 x 105 x 260mm



## 40-209

### PRO Battery Tester

The CTEK PRO Battery Tester gives you quick, simple and accurate battery tests in seconds. It has an integrated printer so you can hand your customer a printout of the results and talk to them immediately about preventative maintenance for their battery or electrical system.

The patented PRO Battery Tester is ideal for different types of 12V batteries (standard/flooded, AGM and GEL) and electrical systems in cars and light trucks.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> Up to 900CCA
	<b>DIMENSIONS</b> 230 x 102 x 65mm



## 56-925

### 12V Battery Analyzer

Tests with high accuracy the condition of all, types of 12V Lead-Acid batteries including: wet, maintenance free, CA/CA, gel & AGM

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 1200A



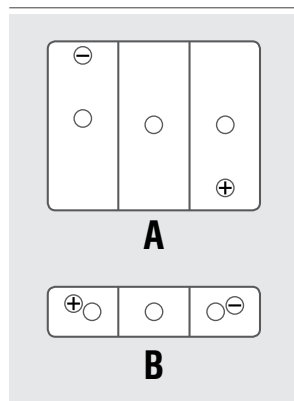




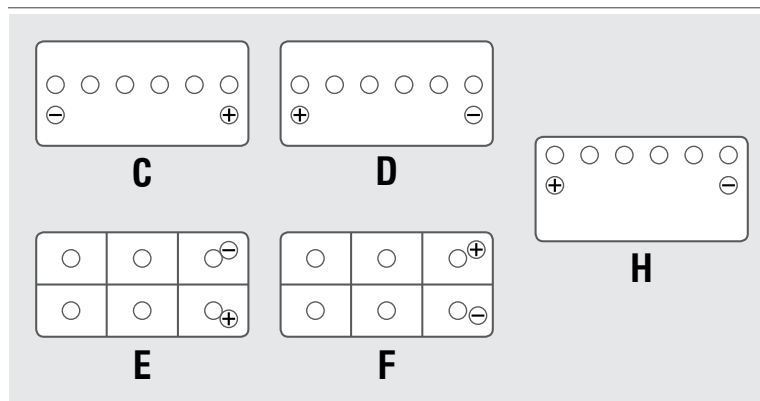
## Battery Assemblies with Terminal Configurations & Special Features

Australian standard specifications as shown AS 2149

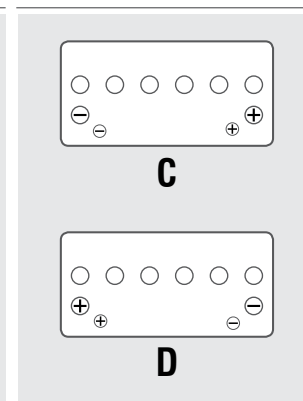
### 6V



### 12V



### Multi-Terminals



### Key to Special Features

<b>CH</b> Carry Handles	<b>PL</b> Platelock Construction
<b>CV</b> Central Venting	<b>VR</b> Vibration Resistant
<b>EL</b> End Ledges	<b>WI</b> Water Indicator
<b>SL</b> Side Ledges	<b>MF</b> Maintenance Free
<b>GM</b> Glass Mat Separators	<b>SR</b> Side Recess

### Key to Terminal Type

<b>DF</b> Dual Fit Terminals	<b>HN</b> Hexagon Nut Terminal
<b>WN</b> Wing Nut Terminal	<b>RP</b> Recessed Terminal Post
<b>STD</b> Standard Terminal Post	
<b>SP</b> Small Post	

### Cold Cranking Amperes (CCA)

The amount of current a battery can provide at -18°C. The rating is defined as the current a lead-acid battery at that temperature can deliver for 30 seconds and maintain at least 7.2V for a 12V battery.

### Amp Hour (Ah)

Provides a measurement of battery capacity. In other words, it is an indication of how much energy can be stored by the battery. A typical amp hour specification might read, "100 Ah @ 20Hr". The specification is saying that the battery will provide 5A of current continuously for 20 hours to 7.2V. This was calculated by dividing 100 by 20.

### Reserve Capacity (RC)

This is the number of minutes a fully charged battery at 26.6°C will discharge 25A until the battery drops below 10.5V.

### Marine Cranking Amps (MCA)

The MCA rating method measures battery output at 0°C. A battery's MCA rating will be one-third higher than its CCA rating would be. To compare two batteries when one has an MCA rating and the other has a CCA rating, multiply the CCA rating by 1.3 for the equivalent MCA rating. Or, multiply the MCA rating by 0.77 for the equivalent CCA rating.

## ISS Active AGM Batteries



A range of premium batteries incorporating absorbed glass mat (AGM) technology for vehicles fitted with advanced stop start systems. These include idle stop start, regenerative braking, voltage control and other intelligent technologies designed to aid the reduction of carbon emissions and increase fuel efficiency.

The advanced AGM technology, suspends the liquid electrolyte in highly porous glass fleece separators. These act as a sponge like material, absorbing the liquid electrolyte and exerting superior contact with the active material in the battery plates. This combines to deliver superior starting power, extreme cycle life, deep discharge capability and up to 3 times higher cycling endurance.

They are ideal for use in stop start applications as they deliver a very high current flow in a short time frame and can support electrical systems with large parasitic drains when in a partial state of charge. They are also suitable for use in standard high performance and luxury vehicles with high electrical loads as they can be mounted both under the bonnet or in the boot.

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>DIN53LH MF AGM</b>	24	12	640	100	60	242	175	190	190	17.3	C	STD	Side/end	AGM, CH, FA, MF, RP
<b>DIN65LH MF AGM</b>	24	12	720	120	70	276	175	190	190	20.05	C	STD	Side/end	AGM, CH, FA, MF, RP
<b>DIN75LH MF AGM</b>	24	12	800	155	80	316	175	190	190	22.8	C	STD	Side/end	AGM, CH, FA, MF, RP
<b>DIN85LH MF AGM</b>	24	12	850	160	92	353	175	190	190	26.3	C	STD	Side/end	AGM, CH, FA, MF, RP

## ISS Active EFB Batteries



A range of enhanced flooded batteries (EFB) designed to aid the reduction of CO<sub>2</sub> emissions and fuel consumption in vehicles fitted with standard idle stop start systems. Dependable starting power.

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>Q85</b>	36	12	650	112	67	232	173	200	255	17.3	C	STD		EFB, LM
<b>S95</b>	36	12	760	127	68	260	173	200	225	19.4	C	STD		EFB, LM
<b>T110</b>	36	12	810	155	80	303	173	200	225	22.2	C	STD		EFB, LM
<b>Q85 MF</b>	24	12	550	110	65	230	171	202	222	17	C	STD		CH, CI, EFB, FA, MF
<b>Q85R MF</b>	24	12	550	110	65	230	171	202	222	17	D	STD		CH, CI, EFB, FA, MF
<b>T110 MF</b>	24	12	760	150	95	302	170	200	222	22.5	C	STD	Side/end	CH, CI, EFB, FA, MF
<b>S95 MF</b>	24	12	680	130	70	258	172	199	220	19.9	C	STD		CH, CI, EFB, FA, MF
<b>DIN65L MF EFB</b>	24	12	650	110	65	275	175	175	175	17	C	STD	Side/end	CH, EFB, FA, MF,RP
<b>DIN75L MF EFB</b>	24	12	730	135	75	313	175	175	175	19.1	C	STD	Side/end	CH, EFB, FA, MF,RP



# Ultra Hi Performance



Century Ultra Hi Performance batteries are the ultimate in battery performance and maintenance free technology. Featuring specialist internal components, unique design features and industry leading technology to combat the causes of battery failure and deliver reliability, longer life and superior performance.

- Calcium technology for superior starting power
- Enhanced active material reduces water loss
- Full frame cast plates for improved strength and durability
- Reduced self-discharge for improved battery life

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>67 MF</b>	36	12	640	115	64	231	171	184	205	15.6	D	STD	Side/end	CH, CI, CV, FA, MF, MIA, MR
<b>67EF MF</b>	36	12	640	115	64	231	171	184	208	15.6	D	STD		CH, CI, CV, FA, MF, MIA, MR
<b>68 MF</b>	36	12	640	115	64	231	171	184	205	15.6	C	STD	Side	CH, CI, CV, FA, MF, MIA, MR
<b>75D23R MF</b>	36	12	620	120	70	231	171	202	225	16.8	D	STD	Side	CH, CI, CV, FA, MF, MIA, MR
<b>75D23L MF</b>	36	12	620	120	70	231	171	202	225	16.8	C	STD	Side	CH, CI, CV, FA, MF, MIA, MR
<b>NS60SX MF</b>	36	12	480	80	50	235	128	201	220	12.7	D	STD		CH, CI, CV, FA, MF, MIA, MR
<b>NS60LSX MF</b>	36	12	480	80	50	235	128	201	220	12.7	C	STD		CH, CI, CV, FA, MF, MIA, MR
<b>NS40ZLX MF</b>	36	12	410	65	42	196	128	201	220	10.9	C	SP		CH, CI, CV, FA, MF, MIA, MR
<b>NS40ZLSX MF</b>	36	12	410	65	42	196	128	201	220	10.9	C	STD		CH, CI, CV, FA, MF, MIA, MR

## Century Hi Performance



Century Hi Performance batteries feature hard wearing internal components to reduce corrosion and enhance vibration resistance, while producing dependable power and performance.

- Calcium technology for longer service life
- Enhanced active material reduces water loss
- Improved internal components for superior corrosion resistance

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>41</b>	24	12	325	45	35	238	134	173	200	10.5	D	STD	End	CH, CI, LM, MIA, MR
<b>43</b>	24	12	325	45	35	238	134	173	200	10.5	C	STD	End	CH, CI, LM, MIA, MR
<b>57MF</b>	24	12	560	100	57	231	171	184	205	14.9	D	STD	Side/end	CH, CI, CV, FA, MF, MIA, MR
<b>57EFMF</b>	24	12	560	100	57	231	171	184	205	14.9	D	STD		CH, CI, CV, FA, MF, MIA, MR
<b>58MF</b>	24	12	560	100	57	231	171	184	205	14.9	C	STD	Side/end	CH, CI, CV, FA, MF, MIA, MR
<b>58EBMF</b>	24	12	560	100	57	231	171	184	205	14.9	C	STD		CH, CI, CV, FA, MF, MIA, MR
<b>55D23LMF</b>	24	12	540	105	60	231	171	202	225	15.3	D	STD	Side	CH, CI, CV, FA, MF, MIA, MR
<b>55D23RMF</b>	24	12	540	105	60	231	171	202	225	15.3	C	STD	Side	CH, CI, CV, FA, MF, MIA, MR
<b>NS60MF</b>	24	12	430	75	45	235	128	201	220	11.9	D	SP		CH, CI, CV, FA, MF, MIA, MR
<b>NS60LMF</b>	24	12	430	75	45	235	128	201	220	11.9	C	SP		CH, CI, CV, FA, MF, MIA, MR
<b>NS60SMF</b>	24	12	430	75	45	235	128	201	220	11.9	D	STD		CH, CI, CV, FA, MF, MIA, MR
<b>NS60LSMF</b>	24	12	430	75	45	235	128	201	220	11.9	C	STD		CH, CI, CV, FA, MF, MIA, MR
<b>NS40Z MF</b>	24	12	330	60	40	196	128	201	220	10.3	D	SP		CH, CI, CV, FA, MF, MIA, MR
<b>NS40ZLMF</b>	24	12	330	60	40	196	128	201	220	10.3	C	SP		CH, CI, CV, FA, MF, MIA, MR
<b>NS40ZLB MF</b>	24	12	360	63	30	187	127	201	220	10	C	SP	Side	CH, CI, FA, MF, MR, PL, VR
<b>NS40ZSMF</b>	24	12	330	60	40	196	128	201	220	10.3	D	STD		CH, CI, CV, FA, MF, MIA, MR
<b>NS40ZLSMF</b>	24	12	330	60	40	196	128	201	220	10.3	C	STD		CH, CI, CV, FA, MF, MIA, MR

## Century Hi Performance DIN



Century Hi Performance DIN batteries have been designed and manufactured to deliver longer life and performance while meeting the fitment requirements of European and imported vehicles.

- Calcium technology for reliable starting power
- Specialist plate design to reduce self-discharge and water loss
- Superior grid strength delivering improved corrosion resistance

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>DIN44LMF</b>	24	12	420	70	43	208	175	175	175	11.5	C	STD	Side/end	CH, CI, CV, FA, MF, PL, RP, VR
<b>DIN53LMF</b>	24	12	500	90	54	242	175	175	175	13.5	C	STD	Side/end	CH, CI, CV, FA, MF, PL, RP, VR
<b>DIN53LHMF</b>	24	12	500	90	55	242	175	190	190	14	C	STD	Side/end	CH, CI, CV, FA, MF, PL, RP, VR
<b>DIN65LMF</b>	24	12	580	110	63	277	175	175	175	15.5	C	STD	Side/end	CH, CI, CV, FA, MF, PL, RP, VR
<b>DIN65LH</b>	24	12	660	130	68	277	175	190	190	17.4	C	STD	Side/end	CH, CI, FA, LM, MIA, RP
<b>DIN75LMF</b>	24	12	730	135	80	315	175	175	175	18	C	STD	Side/end	CH, CI, CV, FA, MF, PL, RP, VR
<b>DIN85LMF</b>	24	12	780	158	85	353	175	175	175	20	C	STD	Side/end	CH, CI, CV, FA, MF, PL, RP, VR
<b>DIN85LHMF</b>	24	12	760	165	88	353	175	190	190	21.5	C	STD	Side/end	CH, CI, CV, FA, MF, PL, RP, VR





## Overlander 4X4



The battery for true off-road enthusiasts, designed and built tough in Australia to suit the extreme climate and harsh off-road conditions. Built from incredibly strong internal components to provide reliable long lasting performance.

- Hybrid technology for reliable starting power
- Dual purpose - starting and semi-cycling capabilities for 4WD accessories
- Thicker full frame cast plates for improved strength and durability in 4X4 conditions
- Glass mat separator for enhanced endurance and vibration resistance

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>N70ZZXH</b>	24	12	735	180	100	305	171	202	225	24.3	D	STD/WIN	Side	CH, CI, GM, LM, MR, MIA, PL, VR
<b>N70ZZLXH</b>	24	12	735	180	100	305	171	202	225	24.3	D	STD/WIN	Side	CH, CI, GM, LM, MR, MIA, PL, VR

## Overlander 4X4 MF



The all-round battery ideal for off-road conditions, providing dependable starting power along with semi-cycling capabilities.

- Calcium technology for dependable starting power
- Dual purpose - starting and semi-cycling capabilities for 4WD accessories
- Thicker battery plates to deliver superior vibration and impact resistance

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>N70ZZHDMF</b>	24	12	720	160	95	302	171	202	225	21.2	D	STD/WIN	Side	CH, CI, CV, FA, MF, MR, PL, VR,"
<b>DIN65LHD MF</b>	24	12	650	120	70	275	175	190	190	19.1	C	STD	Side/end	CH, CI, FA, MF, PL, RP, VR
<b>DIN75LHD MF</b>	24	12	730	145	80	313	175	190	190	21.2	C	STD	Side/end	CH, CI, FA, MF, PL, RP, VR

Note: Both DIN65LHD MF and DIN75LHD MF have LH NEG terminals and come with 24 months warranty.

## Ultra Hi Performance



The ideal battery for road based and soft off-road use in the latest urban 4X4s and SUVs. Designed and built for Australian conditions from hard wearing durable materials.

- Calcium technology for superior starting power
- Full frame cast plates for improved strength and durability
- Reduced self-discharge for improved battery life

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>N70ZZX MF</b>	24	12	810	185	95	305	171	202	225	23.4	D	STD	Side	CH, CI, CV, FA, MF, MIA, MR, PL, VR
<b>N70ZZLX MF</b>	24	12	810	185	95	305	171	202	225	23.4	D	STD	Side	CH, CI, CV, FA, MF, MIA, MR, PL, VR

## Hi Performance



The ideal battery for road based 4X4's and SUV's. Designed and built for Australian conditions providing dependable performance and durability.

- Calcium technology for reliable starting power
- Specialist plate design to reduce self-discharge and water loss
- Reduced self-discharge for improved battery life

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>N70ZZMF</b>	12	12	720	170	85	305	171	202	225	21.9	D	STD	Side	CH, CI, CV, FA, MF, MIA, MR
<b>N70ZZLMF</b>	12	12	720	170	85	305	171	202	225	21.9	C	STD	Side	CH, CI, CV, FA, MF, MIA, MR

## Century Ultra Hi Performance



Century Ultra Hi Performance batteries are the clear choice for professional drivers. Incorporating industry leading design features and specialist internal components.

- Hybrid technology for superior performance and to sustain constant current loads for on-board accessories
- Thicker full frame cast plates for improved strength and durability in commercial conditions
- Glass mat separator for enhanced endurance and vibration resistance
- Platelock™ technology to combat vibration and damage from rough uneven roads

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>N70ZZHX</b>	18	12	730	180	95	305	171	202	225	23.9	D	STD	Side	CH, CI, GM, LM, MIA, MR, PL, VR
<b>N70ZZLHX</b>	18	12	730	180	95	305	171	202	225	23.9	C	STD	Side	CH, CI, GM, LM, MIA, MR, PL, VR
<b>NS70XMF</b>	24	12	720	160	85	259	171	202	225	19.5	D	STD	Side	CH, CI, CV, FA, MR, MF, MIA
<b>NS70LXMF</b>	24	12	720	160	85	259	171	202	225	19.5	C	STD	Side	CH, CI, CV, FA, MR, MF, MIA

## Hi Performance



Century Hi Performance Truck, Bus and Heavy Equipment batteries are designed and built tough in Australia to provide dependable performance and reliability.

- Calcium technology for lower self-discharge and reduced water loss
- Thicker full frame cast plates for improved strength and durability in commercial conditions
- Platelock™ technology to combat vibration and damage from rough uneven roads

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>N70ZZHMF</b>	12	12	780	160	90	305	171	202	225	23.9	D	STD	Side	CH, CI, CV, FA, MF, MR, MIA, PL, VR
<b>N70ZZLH MF</b>	12	12	780	160	90	305	171	202	225	23.9	C	STD	Side	CH, CI, CV, FA, MF, MR, MIA, PL, VR
<b>NS70MF</b>	24	12	650	140	75	259	171	202	225	18.7	D	STD	Side	CH, CI, CV, FA, MF, MIA, MR
<b>NS70LMF</b>	24	12	650	140	75	259	171	202	225	18.7	C	STD	Side	CH, CI, CV, FA, MF, MIA, MR



# Heavy Equipment Batteries



Century's heavy duty, heavy equipment batteries are built using thicker battery plates, denser active material and specialist plate alloys to ensure dependable, long lasting power and performance for in extreme commercial conditions. Available in a maintenance free design or low maintenance option for maximum control over battery life, century heavy duty, heavy equipment batteries provide longer life and dependable performance.

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>84MF</b>	12	12	560	95	50	200	172	183	202	13.3	D	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>86</b>	12	12	670	160	86	348	170	210	238	25	C	STD		CH, LM, MIA, MR, PL, VR
<b>86ZMF</b>	12	12	950	180	95	330	170	217	238	24	H	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>86ZTMF</b>	12	12	950	180	95	330	170	217	238	24	H	TH		CH, CI, CV, FA, MF, MR, PL, VR
<b>94 SQUAT</b>	12	12	890	255	135	506	206	180	203	25.1	E	STD		CH, CV, FA, GM, LM, MR, PL, VR
<b>N100MF</b>	12	12	740	182	100	405	175	210	235	25.1	C	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>N100LMF</b>	12	12	740	182	100	405	175	210	235	25.1	D	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>N120MF</b>	12	12	900	230	135	505	180	210	240	32.1	F	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>N150MF</b>	12	12	1000	300	155	500	220	210	235	38.4	F	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>N150LMF</b>	12	12	1000	300	155	500	220	210	235	38.4	E	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>N200MF</b>	12	12	1200	430	200	520	275	220	240	51.5	F	STD		CH, CI, CV, FA, MF, MR, PL, VR
<b>N200</b>	12	12	1100	400	185	515	275	215	240	53.4	F	STD		CH, GM, LM
<b>4D-N150Z</b>	12	12	950	300	90	528	214	224	246	43.9	F	STD		CH, GM, LM, MR, PL, VR
<b>8D-N200Z</b>	12	12	1300	430	200	528	277	224	246	57.9	F	STD	Side/end	CH, CI, GM, LM, MR, PL, VR
<b>8DMF1200</b>	12	12	1200	430	200	500	270	215	245	50.7	F	STD		CI, CV, FA, GM, MF, MR, PL, VR

## Flooded Deep Cycle



Century Deep Cycle Flooded batteries are designed and built here in Australia for the extreme climate and harsh operating conditions.

- Full frame cast plates for improved strength and durability
- Designed to withstand repeated recharge and discharge cycles
- Maintainable design for maximum control over battery life and superior performance in hotter environments

Part Number	Warranty (Months)	Voltage (V)	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>D23LT</b>	12	12	65	231	171	202	225	17.1	D	STD/WIN		CH, CI, GM, LM, MIA, MR, PL, VR
<b>NS70T</b>	12	12	75	260	171	202	222	20.5	D	STD/WIN	Side	CH, CI, GM, LM, MIA, MR, PL, VR
<b>N70T</b>	12	12	102	305	171	202	225	25	D	STD/WIN		CH, CI, GM, LM, MIA, MR, PL, VR
<b>N70TXMF</b>	12	12	95	302	172	202	225	21.2	D	STD/WIN	Side	CH, CI, GM, LM, MIA, MR, PL, VR
<b>89T</b>	12	12	125	345	175	260	285	34	C	STD		CH, GM, LM, MR, VR

## AGM Deep Cycle



The ultimate in deep cycle performance, featuring AGM (Absorbed Glass Mat) technology, which acts as sponge to suspend the electrolyte within porous glass fibre mat separators.

- Thicker full frame cast plates for improved strength and durability in deep cycle applications
- Low internal resistance and low self-discharge for fast recharging

Part Number	Warranty (Months)	Voltage (V)	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>C12-75DA</b>	12	12	75	260	169	210	235	23.5	D	M6 Insert		AGM, CH, CV, FA, MF, PV, VR
<b>C12-105DA</b>	12	12	105	307	169	210	235	29	D	M8 Insert		AGM, CH, CV, FA, MF, PV, VR
<b>C12-120DA</b>	12	12	120	328	172	222	222	32	D	M8 Insert		AGM, CH, CV, FA, MF, PV, VR
<b>C12-270DA</b>	12	12	270	520	268	220	225	74	F	M8 Insert		AGM, CH, CV, FA, MF, PV, VR

## Gel Deep Cycle



An extremely robust Deep Cycle battery featuring Gel electrolyte technology, which holds the battery plates securely in an immobilised gel.

- Calcium technology for increased power conductance and superior corrosion resistance
- Thicker full frame cast plates for improved strength and durability in deep cycle applications
- Designed to withstand repeated recharge and discharge cycles
- Solar storage
- Backup power
- Recreational vehicles
- Large marine deep cycle systems

The range features thicker, heavier battery plates, heavy cast-on connector straps and high density lead oxide paste to provide superior current flow, exceptional vibration resistance and longer cycle life in industrial and recreational applications

Part Number	Warranty (Months)	Voltage (V)	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)	Polarity	Terminal Type	Hold Down	Special Features
<b>C12-75DG</b>	12	12	70	260	169	210	235	D	23.5	M6 INSERT		CH, CV, FA, GEL, MF, VR





## Industrial Deep Cycle



Features thicker, heavier battery plates, heavy duty internal connections and high density shock resistant paste to provide superior current flow and exceptional vibration resistance.

- Enhanced performance, charging characteristics and improved battery life
- Designed to withstand repeated recharge and discharge cycles
- Exceptional shock and vibration resistance
- Thicker full frame cast plates for improved strength and durability in deep cycle applications
- Designed to withstand repeated recharge and discharge cycles
- Solar storage
- Backup power
- Recreational vehicles
- Large marine deep cycle systems

The range features thicker, heavier battery plates, heavy cast-on connector straps and high density lead oxide paste to provide superior current flow, exceptional vibration resistance and longer cycle life in industrial and recreational applications.

Part Number	Warranty (Months)	Voltage	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)	Polarity	Terminal Type	Hold Down	Special Features
<b>C105</b>	12	6	225	264	181	245	276	A	29.79	W/NUT		LM, VR

## Dual Force +



The newest addition to the Century battery family, provides superior cyclic life with the added advantage of starting capabilities. This multi use battery can be used for recreational, 4X4, caravan, deep cycle and marine applications. With the option of angled fitment and a casing made from polypropylene, this provides a strong, insulated and thermoplastic solution to the extreme under-bonnet heat that can be expected during an Australian summer. The Dual Force+ has been designed to handle the constant daily pressure and duress that is needed from a battery that provides deep cycling capabilities.

- AGM technology
- For under-bonnet use
- Built to combat vibration
- Made for Australian conditions
- For cranking and cycling use

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)	Polarity	Terminal Type	Hold Down	Special Features
<b>27X MF</b>	12/24*	12	750	175	90	302	174	200	220	D	23.5	STD/WIN		AGM, CH, FA, MF, VR

\*12 months cycling, 24 months starting

## Marine Pro Cruiser



Low maintenance, heavy duty starting batteries designed for use in larger marine vessels.

- Calcium technology for superior starting power
- Specialist plate design to reduce self-discharge and water loss
- Tough internal components for heavy duty applications

Part Number	Warranty (Months)	Voltage (V)	CCA	MCA	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)	Polarity	Terminal Type	Hold Down	Special Features
<b>N150M</b>	12	12	900	1140	150	528	214	224	246	F	38.4	STD		CH, GM, LM, MR, PL, VR
<b>N200M</b>	12	12	1200	1440	200	528	277	224	246	F	51.5	STD		CH, GM, LM, MR, PL, VR

## Optima YELLOWTOP®



Dual Purpose Batteries - 36 Month Warranty

- High performance AGM dual-purpose starting and semi-cycling
- Spill-proof container with SPIRALCELL TECHNOLOGY™
- Exceptional vibration resistance

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>D27F</b>	36	12	830	140	66	308	172	220		23.7	C	STD		CH, CI, GM, LM, MIA, MR, PL, VR
<b>D31A</b>	36	12	900	155	75	329	171	238		27.12	D	STD	Side	CH, CI, GM, LM, MIA, MR, PL, VR
<b>D34</b>	36	12	750	120	55	254	173	199		19.45	D	STD		CH, CI, GM, LM, MIA, MR, PL, VR
<b>D34-78</b>	36	12	750	120	55	254	173	199		19.73	D	STD + FRONT	Side	CH, CI, GM, LM, MIA, MR, PL, VR
<b>D35</b>	36	12	650	98	48	238	171	195		16.51	C	STD		CH, GM, LM, MR, VR

## Optima REDTOP®



Starting Batteries - 36 Month Warranty

- Powerful AGM starting power for high performance vehicles
- Spill-proof container with SPIRALCELL TECHNOLOGY™
- Exceptional vibration resistance

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>34</b>	36	12	800	100	50	254	171	199		17.19	D	STD		AGM, CH, FA, MF, VR
<b>34R</b>	36	12	800	100	50	254	171	199		17.19	C	STD		AGM, CH, FA, MF, VR

## Optima BLUETOP®



Marine Batteries - 36 Month Warranty

- Strong AGM marine starting power and semi-cycling capabilities
- Spill-proof container with SPIRALCELL TECHNOLOGY™
- Exceptional vibration resistance

Part Number	Warranty (Months)	Voltage (V)	CCA	RC	Amp Hour	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Polarity	Weight (kg)	Terminal Type	Hold Down	Special Features
<b>D31M</b>	36	12	900	1125	75	329	171	238		27.12	D	STD/WIN		AGM, CH, FA, MF, VR








## TDR02007

### Battery Box AC/DC

Portable power is essential for the modern day camper, with fridges and other creature comforts making a weekend getaway that little bit easier.

The Thunder Battery Box provides 12V and 240V power for common devices and appliances, acting as a dual battery system to manage solar and in-vehicle charge. Featuring a 7 stage smart charger to maintain battery condition, the unit is compatible with leading vehicle batteries, including lead acid, calcium, gel and AGM up to 130Ah in size.

Setting up the battery box is simple, with a step-by-step guide that helps you select your type of battery, remembers the last battery you used, and will warn you if there's a fault during charge.

	<b>VOLTAGE</b> 12 & 240V
	<b>USB</b> Sockets
	<b>ANDERSON</b> Connectors
	<b>ACCESSORY</b> Sockets
	<b>DIMENSIONS</b> 440 x 240 x 327mm



**THUNDER**  
Connection is your Weekend Escape






## PH125

### Power-Hub Battery Box

Projecta's PH125 Portable Power-Hub is designed to make power, available anywhere at any time. Power-Hub turns your 12V battery into a convenient, versatile and user friendly device allowing you to venture further off the beaten track than ever before while still having power available to charge and run all your devices and appliances.

With a staggering 10 power outlets the Power-Hub allows you total freedom to charge or power multiple devices simultaneously. Power outlets include a 240V AC socket providing clean 'Pure Sine Wave' power, USB, cigarette lighter, engel, 50A heavy duty and merit sockets as well as DC terminals.

Suits batteries up to N70, deep cycle: 60-140Ah, automotive: 300-800CCA, marine: 350-950MCA, battery compartment 177 x 230mm (height: 245mm including posts), external size 235 x 337mm, length: 390mm, outlets 2x 15A merit, 2x 2A USB, 1x 10A Engel, 1x DC terminal, 1x 50A, heavy duty, 2x 10A cigarette lighter, sockets, 1x 240V AC outlet with On/Off, switch, Screen 2.4" colour LCD, low battery & configurable, battery health alarm, material glass reinforced plastic.

	<b>VOLTAGE</b> 12 & 240V
	<b>USB</b> Sockets
	<b>ANDERSON</b> Connectors
	<b>ACCESSORY</b> Sockets
	<b>DIMENSIONS</b> 337 x 235 x 390mm



**PROJECTA**






## TDR02008

### Heavy Duty Battery Box

The Thunder Heavy Duty Battery Box is designed with the 12V caravan, camping and 4WD market in mind. Constructed of industrial grade polypropylene with 2.3mm thick walls, which would look great in the back of your 4WD wagon or ute. The Thunder Heavy Duty Battery Box is big enough to take a 120Ah AGM deep cycle battery and has internal battery strap mounts to keep the battery secure.

A separate mounting tray makes it easy to remove so you have a portable power supply should you need to power additional devices at the campsite.

Included are 2x recessed 50A Anderson style connectors, these can be used to charge the battery via your DC-DC or solar and power your fridge, also included are 2x 12V DC sockets, 2x 2.4A USB sockets to cater for a wide range of low voltage devices, a LED volt meter so you can monitor your battery, all protected with a resettable circuit breaker.

	<b>VOLTAGE</b> 12V
	<b>USB</b> Sockets
	<b>ANDERSON</b> Connectors
	<b>ACCESSORY</b> Sockets
	<b>DIMENSIONS</b> 343 x 216 x 240mm



**THUNDER**  
Connection is your Weekend Escape



## TDR06013

### Power Distribution Box

Connect to standard Anderson plug, USB Anderson accessories sockets  
 2x 10A accessory sockets  
 2x 2.4A USB outlet  
 1x 50A Anderson style socket  
 2x wired blank connectors  
 LCD volt/amp meter  
 Low voltage warning with internal circuit breaker protection

	<b>USB Sockets</b>
	<b>ANDERSON Connectors</b>
	<b>ACCESSORY Sockets</b>



## Plastic Battery Box

Polypropylene plastic  
 Impervious to battery acid  
 Tie down strap and mounting  
 Hardware included

Part No.	Dimensions (Outside)	Dimensions (Inside)	Suits Battery Type
<b>ACX0675</b>	285 x 200 x 200mm	275 x 180 x 200mm	N50
<b>ACX0676</b>	340 x 200 x 200mm	325 x 185 x 200mm	N70



## ACX0676HT

### High Top Plastic Battery Box

Raised battery box with an increased height of 25mm  
 Covering the majority of deep cycle batteries up to 120Ah  
 Suitable for most secondary batteries in a vehicle

	<b>DIMENSIONS OUTSIDE</b> 410 x 245 x 300mm
	<b>DIMENSIONS INSIDE</b> 320 x 185 x 225mm



## ACX0678

### Plastic Powered Battery Box

Covering the majority of deep cycle batteries up to 120Ah  
 Suitable for most secondary batteries in a vehicle  
 Battery condition test indicator  
 Accessories power outlet  
 External stud terminals  
 Circuit breaker reset button  
 12V DC output socket  
 Circuit breaker 25A

	<b>DIMENSIONS OUTSIDE</b> 340 x 200 x 225mm
	<b>DIMENSIONS INSIDE</b> 180 x 310 x 200mm



## ACX0678HT

### High Top Plastic Powered Battery Box

Raised battery box with an increased height of 25mm  
 Covering the majority of deep cycle batteries up to 120Ah  
 Suitable for most secondary batteries in a vehicle  
 Battery condition test indicator  
 Accessories power outlet  
 External stud terminals  
 Circuit breaker 25A with circuit breaker reset button  
 12V DC output socket

	<b>DIMENSIONS OUTSIDE</b> 340 x 200 x 200mm
	<b>DIMENSIONS INSIDE</b> 180 x 310 x 200mm



## Battery Hold Down Bracket

Plastic coated bracket  
 'J' style bolts with brass plated wing nuts  
 Universal application

Part No.	Suitable for Battery Size
<b>ACX0660</b>	140mm
<b>ACX0661</b>	175mm



## Metal Battery Tray

Plastic coated  
Universal application

Part No.	Suitable for Battery Size
<b>ACX0662</b>	175 x 270mm
<b>ACX0663</b>	175 x 320mm



## Booster Plug & Socket

Plastic coated  
Universal application  
Silver plated brass

Part No.	Style	Amps [A]	Voltage [V]
<b>ACX2778</b>	Plug	600	24V
<b>ACX2779</b>	Socket	600	24V



## ACX0353

### Surge Protector 8-6 B&S

Surge protector for heavy duty jumper leads  
12 & 24V protection

LEDs indicate correct polarity & low voltage at donor battery

Suits cable size 10-15mm diameter



## ACX0349

### Surge Protector 8 B&S

Surge protector protects sensitive onboard electronics while the vehicle is being worked on

No need to disconnect the battery when welding if the vehicle is properly earthed 400mm



## Jumper Leads with Surge Protect

Dual insulated  
Length: 3m

Part No.	Amps [A]
<b>74-71200BLR</b>	200A
<b>74-71400BLR</b>	400A



## ACX0498

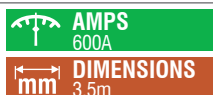
### Jumper Leads with Surge Protect

Suits cars & 4WD

Protect vehicle electronics from surge when jump starting another vehicle

Colour code clamps

Lead length: 3.5m





### ACX0496

Jumper Leads - 2 B&S 35mm<sup>2</sup>

Suits cars & 4WD  
Heavy duty colour code clamps  
Lead length: 4m

	<b>AMPS</b> 750A
	<b>DIMENSIONS</b> 4m



### ACX0502

Jumper Leads 2 B&S 35mm<sup>2</sup>

Constructed from 32mm cable with heavy duty clamps  
Length: 4m

	<b>AMPS</b> 750A
	<b>DIMENSIONS</b> 4m



### ACX0499

Jumper Leads with Surge Protect

Protect vehicle electronics from surge when jump starting another vehicle  
Colour code clamps  
Lead length: 4m

	<b>AMPS</b> 750A
	<b>DIMENSIONS</b> 4m



### ACX0497

Jumper Leads 0 B&S 50mm<sup>2</sup>

Suits cars, 4WD & commercial vehicles  
Heavy duty colour code clamps  
Lead length: 4m

	<b>AMPS</b> 900A
	<b>DIMENSIONS</b> 4m



### ACX0656

Alligator Clip Pack

Zinc plated  
Complete with 5x red & 5x black insulators  
10 clips per pack

	<b>AMPS</b> 5A
	<b>DIMENSIONS</b> 102 x 20.5 x 25mm



### ACX0658

Alligator Clip Pack



Ideal for small battery chargers, camping inlights etc  
Insulated handles  
1 set per pack

	<b>AMPS</b> 15A
	<b>DIMENSIONS</b> 65 x 45 x 20mm

## 65-46007BLR

### Alligator Clip 1 Pack

Ideal for small battery chargers, camping lights etc  
Insulated handles  
1 set per pack

	<b>AMPS</b> 15A
	<b>DIMENSIONS</b> 65 x 45 x 20mm

revolution



## Battery Charger Clip Set

Zinc plated  
Complete with 1 red & 1 black insulator  
1 set per pack

Part No.	Amps [A]	Dimensions
ACX0654	25A	80 x 17.5 x 12mm
ACX0655	50A	102 x 20.5 x 25mm

OEX



## Booster Clamp - Copper Plated

1 clamp per pack

Part No.	Polarity	Colour	Amps [A]
ACX0648BL	Positive	Red	50A
ACX0649BL	Negative	Black	50A

OEX



## Booster Clamp - Copper Plated

1 clamp per pack

Part No.	Polarity	Colour	Amps [A]
ACX0646	Positive	Red	100A
ACX0647	Negative	Black	100A

OEX



## Booster Clamp - Tin Plated Copper

1 clamp per pack

Part No.	Polarity	Colour	Amps [A]
ACX0642	Positive	Red	200A
ACX0643	Negative	Black	200A

OEX



## Booster Clamp - Copper Plated

1 clamp per pack

Part No.	Polarity	Colour	Amps [A]
ACX0640	Positive	Red	500A
ACX0641	Negative	Black	500A

OEX



**OEX****ACX0038**

## Battery Terminal Negative

Solid brass terminal  
 Allows battery to be disconnected without removing terminal from post  
 Suits negative battery post  
 8mm stud  
 10 pack

**OEX****ACX0039**

## Battery Terminal Positive

Solid brass terminal  
 Allows battery to be disconnected without removing terminal from post  
 Suits positive battery post  
 8mm stud  
 10 pack

**OEX****ACX0027**

## Battery Terminal Negative

Heavy duty  
 Solid brass terminal  
 Allows battery to be disconnected without removing terminal from post  
 Suits negative battery post  
 10mm stud  
 5 pack

**OEX****ACX0028**

## Battery Terminal Positive

Heavy duty  
 Solid brass terminal  
 Allows battery to be disconnected without removing terminal from post  
 Suits positive battery post  
 10mm stud  
 5 pack

**OEX****ACX0025**

## Battery Terminal Marine Positive

Solid brass terminal  
 One piece construction  
 Marine type 10mm stud  
 Suits positive battery posts  
 5 pack

**OEX****ACX0026**

## Battery Terminal Marine Negative

Solid brass terminal  
 One piece construction  
 Marine type 10mm stud  
 Suits negative battery posts  
 5 pack

**ACX0006****Battery Terminal Positive & Negative**

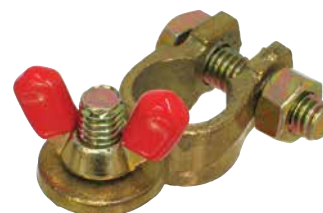
Solid brass terminal  
 Marine stud type  
 Suits standard post batteries  
 8mm stud  
 5 positive, 5 negative per pack

**OEX****ACX0006N****Battery Terminal Negative**

Solid brass terminal  
 Marine stud type  
 Suits negative post batteries  
 8mm stud  
 10 pack

**OEX****ACX0006P****Battery Terminal Positive**

Solid brass terminal  
 Marine stud type  
 Suits positive post batteries  
 8mm stud  
 10 pack

**OEX****ACX0002****Battery Terminal Saddle Positive or Negative**

Solid brass terminal  
 End entry - saddle type  
 Suits positive or negative battery posts  
 For 6-1 B&S cable (15-40.6mm<sup>2</sup>)  
 10 pack

**OEX****ACX0017****Battery Terminal Saddle Positive or Negative**

Solid brass terminal  
 End entry - solderless type  
 Suits small post (**Japanese**) batteries  
 For 6-3 B&S cable (15-26.4mm<sup>2</sup>)  
 5 positive, 5 negative per pack

**OEX****ACX0024****Battery Terminal Saddle Positive or Negative**

Solid brass terminal  
 End entry - solderless type  
 Suits positive or negative battery posts  
 For 0-00 B&S cable (50.3-65.8mm<sup>2</sup>)  
 5 pack

**OEX**



**OEX****ACX0014**

## Battery Terminal Positive or Negative

Solid brass terminal  
 End entry - solderless type  
 Suits positive or negative battery posts  
 For 6-1 B&S cable (15-40.6mm<sup>2</sup>)  
 10 pack

**OEX****ACX0019**

## Battery Terminal Positive or Negative

Solid brass terminal  
 End entry - solderless type  
 Suits positive or negative battery posts  
 For 0-00 B&S cable (50.3-65.8mm<sup>2</sup>)  
 5 pack

**OEX****ACX0030**

## Battery Terminal Positive

Solid brass terminal  
 Side entry - full barrel type  
 Suits positive post  
 Two bolt cable connection  
 For cable size up to 0 B&S (54mm<sup>2</sup>)  
 Barrel can be drilled to suit 00 B & S (65mm<sup>2</sup>)  
 2 pack

**OEX****ACX0029**

## Battery Terminal Negative

Solid brass terminal  
 Side entry - full barrel type  
 Suits negative post  
 Two bolt cable connection  
 For cable size up to 0 B&S (54mm<sup>2</sup>)  
 Barrel can be drilled to suit 00 B&S (65mm<sup>2</sup>)  
 2 pack

**OEX****ACX0020**

## Battery Terminal Positive

Solid brass terminal  
 Side entry - full barrel type  
 Suits positive battery posts only  
 For 0-00 B&S cable (50.3-65.8mm<sup>2</sup>)  
 5 pack

**OEX****ACX0021**

## Battery Terminal Negative

Solid brass terminal  
 Side entry - full barrel type  
 Suits negative battery posts only  
 For 0-00 B&S cable (50.3-65.8mm<sup>2</sup>)  
 5 pack

## ACX0010

### Battery Terminal Split Barrel

---

Tin plate solid brass terminal  
Side entry - split barrel type  
Suits positive or negative battery posts  
For 1-0 B&S cable (40.6-50.3mm<sup>2</sup>)  
5 pack



**OEX**

## ACX0037

### Battery Terminal & Lug Kit

---

Battery terminals		Cable lugs	
5x ACX0027	5x ACX006P	10x ACX0104	10x ACX0112
5x ACX0028	5x ACX006N	10x ACX0107	10x ACX0113
5x ACX0025	5x ACX0002	10x ACX0110	10x ACX0116
5x ACX0026		10x ACX0111	



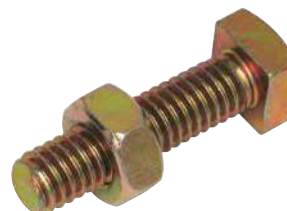
**OEX**

## ACX0201

### Brass Battery Terminal Bolts and Nuts

---

Suits both positive & negative terminal



**OEX**

## ACX0300BL

### Anti Corrosion Washers

---

Chemically treated wool prevents a build up of terminal corrosion  
Suits all post or bolt type battery terminals  
A preventative maintenance necessity for every battery  
Associated with workshop repair  
1 red & 1 green anti-corrosion washer per pack  
2 pack



**OEX**

## Cable Lugs

Copper with zinc plating  
Lugs can be crimped or soldered  
FE = Flared End



Part No.	Wire Size	Stud Size (mm)	Ref No.	Pack Qty
<b>ACX0100</b>	8 B&S	6	10-6	10
<b>ACX0100FE</b>	8 B&S	6	10-6	10
<b>ACX0101</b>	8 B&S	8	10-8	10
<b>ACX0101FE</b>	8 B&S	8	10-8	10
<b>ACX0102</b>	8 B&S	10	10-10	10
<b>ACX0102FE</b>	8 B&S	10	10-10	10
<b>ACX0103</b>	6 B&S	6	16-6	10
<b>ACX0103FE</b>	6 B&S	6	16-6	10
<b>TDR02207</b>	6 B&S	6	16-6	10
<b>ACX0104</b>	6 B&S	8	16-8	10
<b>ACX0104FE</b>	6 B&S	8	16-8	10
<b>TDR02208</b>	6 B&S	8	16-8	10
<b>ACX0105</b>	6 B&S	10	16-10	10
<b>ACX0105FE</b>	6 B&S	10	16-10	10
<b>TDR02209</b>	6 B&S	10	16-10	10
<b>ACX0106</b>	3 B&S	6	25-6	10
<b>ACX0106FE</b>	3 B&S	6	25-6	10
<b>ACX0107</b>	3 B&S	8	25-8	10
<b>ACX0107FE</b>	3 B&S	8	25-8	10
<b>ACX0108</b>	3 B&S	10	25-10	10
<b>ACX0108FE</b>	3 B&S	10	25-10	10
<b>ACX0109</b>	2 B&S	6	35-6	10
<b>ACX0109FE</b>	2 B&S	6	35-6	10
<b>ACX0110</b>	2 B&S	8	35-8	10
<b>ACX0110FE</b>	2 B&S	8	35-8	10
<b>ACX0111</b>	2 B&S	10	35-10	10
<b>ACX0111FE</b>	2 B&S	10	35-10	10
<b>ACX0112</b>	0 B&S	8	50-8	10
<b>ACX0112FE</b>	0 B&S	8	50-8	10
<b>ACX0113</b>	0 B&S	10	50-10	10
<b>ACX0113FE</b>	0 B&S	10	50-10	10
<b>ACX0114</b>	0 B&S	12	50-12	10
<b>ACX0114FE</b>	0 B&S	12	50-12	10
<b>ACX0115</b>	00 B&S	8	70-8	10
<b>ACX0115FE</b>	00 B&S	8	70-8	10
<b>ACX0116</b>	00 B&S	10	70-10	10
<b>ACX0116FE</b>	00 B&S	10	70-10	10

## Cable Lugs

Copper with zinc plating  
Lugs can be crimped or soldered  
FE = Flared End

Part No.	Wire Size	Stud Size (mm)	Ref No.	Pack Qty
ACX0117	00 B&S	12	70-12	10
ACX0117FE	00 B&S	12	70-12	10
ACX0118	000 B&S	10	98-10	10
ACX0118FE	000 B&S	10	95-10	10
ACX0119	000 B&S	12	95-12	10
ACX0119FE	000 B&S	12	95-12	10
ACX0121	2 B&S	12	35-12	10
ACX0121FE	2 B&S	12	35-12	10

OEX



## Cable Joiner

Copper with zinc plating  
Lugs can be crimped or soldered

Part No.	Wire Size	Stud Size (mm)	Gauge	Pack Qty
ACX0122	8B&S	6	8mm <sup>2</sup>	5
ACX0123	6B&S	6	14mm <sup>2</sup>	5
ACX0124	0B&S	0	50mm <sup>2</sup>	5
ACX0125	00B&S	0	70mm <sup>2</sup>	5
ACX0126	000B&S	0	95mm <sup>2</sup>	5

OEX



## 90° Cable Lugs

Copper with zinc plating  
Lugs can be crimped or soldered  
FE = Flared End

Part No.	Wire Size	Stud Size (mm)	Ref No.	Pack Qty
ACX0137FE	6B&S	6	6-6	10
ACX0140	2B&S	8	35-8	10
ACX0141	2B&S	10	35-10	10
ACX0144	0B&S	10	50-10	10
ACX0147	00B&S	12	70-10	10

OEX



## ACX0120FE

### Cable Lug Kit Flare End

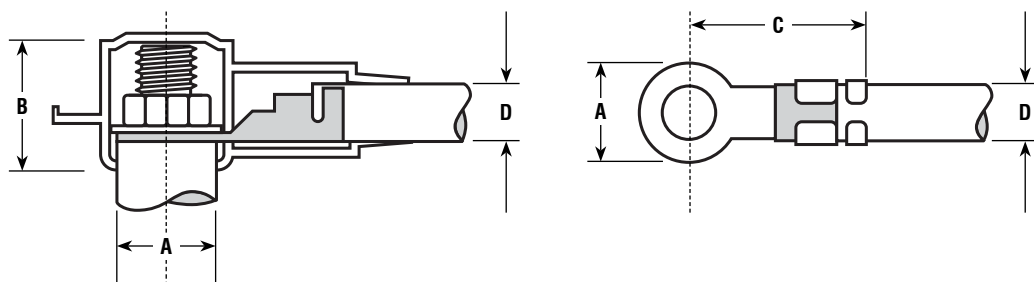
Lugs ranging from 10-6 to 70-12  
Copper with zinc plating  
Lugs can be crimped or soldered  
165 pieces

OEX



# Insulator Dimensional Diagram

A = Post Diameter/Width  
 B = Height  
 C = Length  
 D = Cable Size



## Stud Terminal Insulators - Vinyl



Part No.	Post Diameter (A)	Cable Size (D)	Dimensions L x W x H (C x A x B)	Colour	Pack Qty
<b>ACX3116</b>	25.4mm	35-70mm <sup>2</sup>	62.5 x 25.4 x 25.4mm	Black	10
<b>ACX3117</b>	25.4mm	35-70mm <sup>2</sup>	62.5 x 25.4 x 25.4mm	Red	10
<b>ACX3143</b>	18.5mm	13mm <sup>2</sup>	43.4 x 18.5 x 27.7mm	Red	10



## Cable Lug Insulators - Vinyl



Part No.	Post Diameter (A)	Cable Size (D)	Dimensions L x W x H (C x A x B)	Colour	Pack Qty
<b>ACX3107</b>	11.2mm	0.8-5mm <sup>2</sup>	31 x 11.2 x 21.3mm	Black	10
<b>ACX3108</b>	11.2mm	0.8-5mm <sup>2</sup>	31 x 11.2 x 21.3mm	Red	10
<b>ACX3110</b>	17mm	8-32mm <sup>2</sup>	33.4 x 17 x 22.1mm	Black	10
<b>ACX3111</b>	17mm	8-32mm <sup>2</sup>	33.4 x 17 x 22.1mm	Red	10
<b>ACX3112</b>	20.6mm	32-62mm <sup>2</sup>	43.8 x 20.6 x 26.7mm	Black	10
<b>ACX3113</b>	20.6mm	32-62mm <sup>2</sup>	43.8 x 20.6 x 26.7mm	Red	10
<b>ACX3114</b>	26.7mm	32-62mm <sup>2</sup>	57.8 x 26.7 x 35.8mm	Black	10
<b>ACX3115</b>	26.7mm	32-62mm <sup>2</sup>	57.8 x 26.7 x 35.8mm	Red	10
<b>ACX3120</b>	12.7mm	8-32mm <sup>2</sup>	38.15 x 12.7 x 19.9mm	Red	10
<b>ACX3121</b>	12.7mm	8-32mm <sup>2</sup>	38.15 x 12.7 x 19.9mm	Black	10
<b>ACX3122</b>	17mm	8-32mm <sup>2</sup>	40.3 x 17 x 22.1mm	Red	10
<b>ACX3123</b>	17mm	8-32mm <sup>2</sup>	40.3 x 17 x 22.1mm	Black	10
<b>ACX3124</b>	19.1mm	8-32mm <sup>2</sup>	54.5 x 19.1 x 24.1mm	Red	10
<b>ACX3125</b>	19.1mm	8-32mm <sup>2</sup>	54.5 x 19.1 x 24.1mm	Black	10



## Cable Lug Insulators - Vinyl

Part No.	Post Diameter (A)	Cable Size (D)	Dimensions L x W x H (C x A x B)	Colour	Pack Qty
<b>ACX3128</b>	20.6mm	8-32mm <sup>2</sup>	54.8 x 20.6 x 26.7mm	Red	10
<b>ACX3129</b>	20.6mm	8-32mm <sup>2</sup>	54.8 x 20.6 x 26.7mm	Black	10
<b>ACX3130</b>	24.6mm	32-62mm <sup>2</sup>	64.6 x 24.6 x 31.8mm	Red	10
<b>ACX3131</b>	24.6mm	32-62mm <sup>2</sup>	64.6 x 24.6 x 31.8mm	Black	10
<b>ACX3132</b>	30.5mm	81-103mm <sup>2</sup>	75.75 x 30.5 x 38.1mm	Red	10
<b>ACX3133</b>	30.5mm	81-103mm <sup>2</sup>	75.75 x 30.5 x 38.1mm	Black	10



## Battery Terminal Insulators - Vinyl

Part No.	Post Diameter (A)	Cable Size (D)	Dimensions L x W x H (C x A x B)	Colour	Pack Qty
<b>ACX3134</b>	End Entry	60mm <sup>2</sup>	63.5 x 39 x 21.3mm	Red	10
<b>ACX3135</b>	End Entry	60mm <sup>2</sup>	63.5 x 39 x 21.3mm	Black	10
<b>ACX3136</b>	Left Entry	60mm <sup>2</sup>	61 x 47 x 24.9mm	Red	10
<b>ACX3137</b>	Left Entry	60mm <sup>2</sup>	61 x 47 x 24.9mm	Black	10
<b>ACX3138</b>	Right Entry	60mm <sup>2</sup>	61 x 47 x 24.9mm	Red	10
<b>ACX3139</b>	Right Entry	60mm <sup>2</sup>	61 x 47 x 24.9mm	Black	10
<b>ACX3140</b>	Dual Entry	60mm <sup>2</sup>	61 x 47 x 24.9mm	Red	10
<b>ACX3141</b>	Dual Entry	60mm <sup>2</sup>	61 x 47 x 24.9mm	Black	10
<b>ACX3144</b>	End Entry	81-103mm <sup>2</sup>	87.1 x 38.1 x 50.3mm	Red	10
<b>ACX3151</b>	End Entry	81-103mm <sup>2</sup>	87.1 x 38.1 x 50.3mm	Black	10
<b>ACX0670</b>	End Entry	35-70mm <sup>2</sup>	62 x 40 x 30.5mm	Red/Black	2



# SWITCHES

Switches

Relays

Solenoids

Circuit Breakers

Fuses





⊗

BATTERY TEST PANEL

+1-

+2-

DIGITAL VOLTMETER

8.2.8

V





Cole Hersee is a leading manufacturer of electromechanical, electronic, & digital switches and connectors designed for a large range of vehicles.

We have been a pioneer and leader in the development of heavy-duty electrical products for the vehicle industry, and have earned a reputation for quality and value.

[colehersee.com.au](http://colehersee.com.au)



# Cole Hersee



Distributed in Australia and New Zealand exclusively by ECCO Safety Group

# SWITCH

## Abbreviations & Definitions



Switches are given standardised abbreviations as to their contact arrangements and actions, below is a list of some common abbreviations and their meanings.

- N.O** (Contacts are normally open and are closed by activating the switch)
- N.C** (Contacts are normally closed and are opened by activating the switch)
- MOM** (Momentary action, spring return to N.O or N.C position)
- CO** (Change over, polarity reversal)

The terms “pole” (P) and “throw” are used to describe switch contact and position arrangements.

- S** (Single)
- D** (Double)
- T** (Can mean triple or throw)
- P** (Pole, or set of contacts)

**SPST**

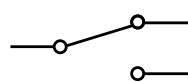


**A switch that comprises a single pole**

(SP, single set of contacts) and (ST, single switched position)  
SPST an example is an (Off/On) 2 terminal switch



**SPDT**

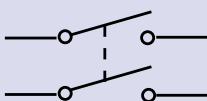


**A switch that comprises a single pole**

(SP, single set of contacts) and (DT, two switched positions)  
SPDT an example is an (On/On) or (On/Off/On) 3 terminal switch



**DPST**

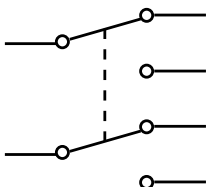


**A switch that comprises two poles**

(DP, two sets of contacts) and (ST, single switched position)  
DPST an example is an (Off/On) 4 terminal switch



**DPDT**



**A switch that comprises two poles**

(DP, two sets of contacts) and (DT, two switched positions)  
DPDT an example is an (On/Off/On) 6 terminal C.O switch

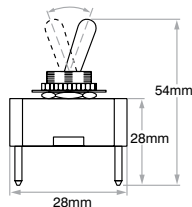


### WHY IS SWITCH CURRENT RATING DEPENDENT ON VOLTAGE?

Switch contacts are rated according to their electrical characteristics. The rating of a switch is determined by such factors as contact size and contact material.



revolution



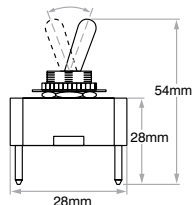
### 56-90029BL

#### Toggle Switch with Label

2x blade terminal  
Supplied with metal On/Off tab

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

THUNDER  
*Connection is your Neighbour's Escape*



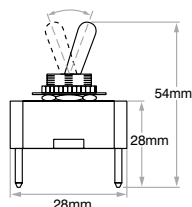
### TDR11063

#### Toggle Switch with Label

Single pole - single throw  
2x blade terminals  
Silver contacts  
Metal body  
Supplied with On - Off tab

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

OEX



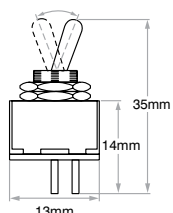
### ACX3874BL

#### Toggle Switch with Label

Single pole - single throw  
2x blade terminals  
Silver contacts  
Metal body  
Supplied with On - Off tab

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

OEX



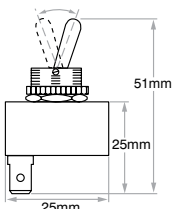
### ACX3868BL

#### Micro Toggle Switch

2x 2mm mini blade terminal  
Includes red, green, white & yellow, handle covers

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 6mm
	<b>FUNCTION</b> On - Off - SPST

OEX



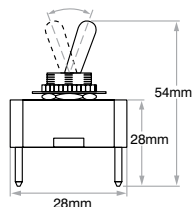
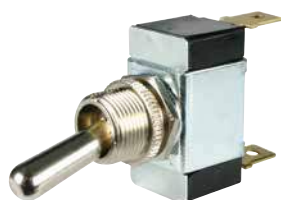
### ACX3805BL

#### Toggle Switch

Single pole - single throw  
2x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

CH



### 55014BL

#### Toggle Switch

2x blade terminals  
Silver contacts





	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

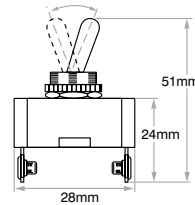


## ACX3871BL

### Toggle Switch

2x screw terminals






	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

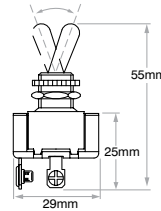


## 5582BL

### Toggle Switch

2x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST
	<b>ENVIRONMENT</b> IP68







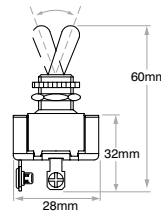
## ACX7630

### Toggle Switch

IP68 rated

2x screw terminals





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

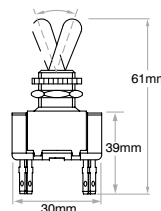


## 55017BL

### Toggle Switch

4x blade terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - DPST







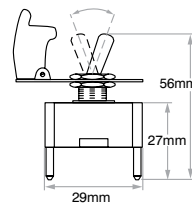
## ACX3913BL

### Toggle Switch Missile Cover

2x blade terminals

Includes pre mounted spring loaded switch cover

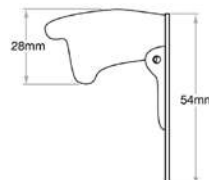
	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

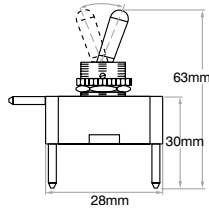


## TDR11065

### Missile Cover to suit Toggle Switch

Suits most on - off toggle switches





## LED Toggle Switch

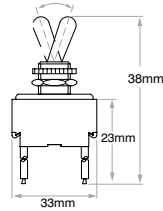
3x blade terminal

Illumination: amber or red

Note: For 24V applications, use Part No. ACX3912 (resistor)

Part No.	Colour	
ACX3888BL	Amber	
ACX3891BL	Red	

- VOLTAGE**  
12V
- AMPS**  
20A
- MOUNTING HOLE**  
12mm
- FUNCTION**  
On - Off - SPST



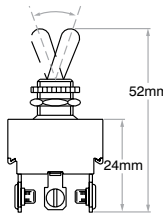
## 5582-10BL

Toggle Switch PVC Coated

IP67 rated

Pre-wired

- VOLTAGE**  
12 or 24V
- AMPS**  
25A
- MOUNTING HOLE**  
12mm
- FUNCTION**  
On - Off - SPST
- ENVIRONMENT**  
IP67

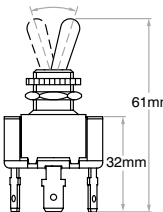
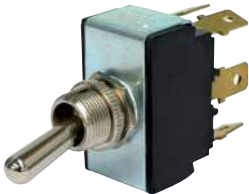


## 5584BL

Toggle Switch

3x screw terminals

- VOLTAGE**  
12 or 24V
- AMPS**  
25A
- MOUNTING HOLE**  
12mm
- FUNCTION**  
On - On - SPST

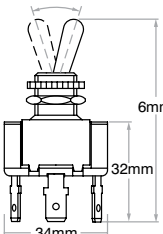


## 55018BL

Toggle Switch

6x blade terminals

- VOLTAGE**  
12 or 24V
- AMPS**  
25A
- MOUNTING HOLE**  
12mm
- FUNCTION**  
On - On - DPST



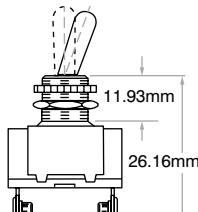
## ACX7631

Toggle Switch

IP68 rated

6x screw terminals

- VOLTAGE**  
12 or 24V
- AMPS**  
20A
- MOUNTING HOLE**  
12mm
- FUNCTION**  
On - On - DPST
- ENVIRONMENT**  
IP68



## 55020BL

Toggle Switch

2x screw terminals

- VOLTAGE**  
12 or 24V
- AMPS**  
25A
- MOUNTING HOLE**  
12mm
- FUNCTION**  
Off - Moment On - SPST

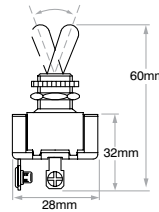


# ACX7632

## Toggle Switch

IP68 rated  
2x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Off - Mom On - SPST
	<b>ENVIRONMENT</b> IP68

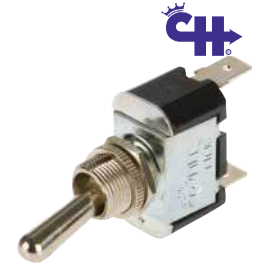
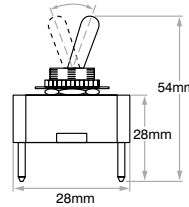


# 55049-01STBL

## Toggle Switch

2x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Mom Off - SPST

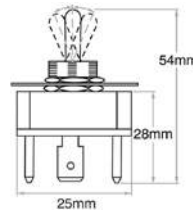


# 56-90124BLR

## Toggle Switch with Label

3x blade terminals  
Includes metal label On/Off/On

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - SPDT

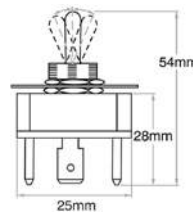


# TDR11066

## Toggle Switch with Label

3x blade terminals  
Includes metal label On/Off/On

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b>
	<b>FUNCTION</b> On - Off - On - SPDT

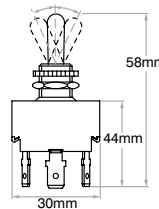


# 55016BL

## Toggle Switch

3x blade terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - SPDT

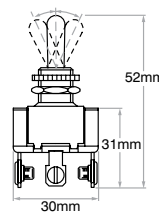


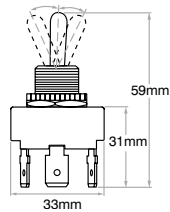
# 5586BL

## Toggle Switch

3x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - SPDT



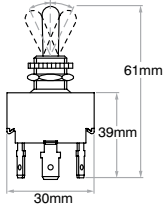
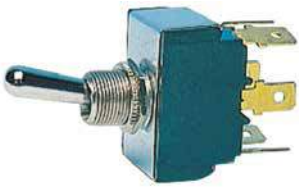


### ACX3882BL

Toggle Switch

6x blade terminal

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - DPDT

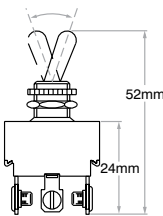


### 55019BL

Toggle Switch

6x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - DPDT

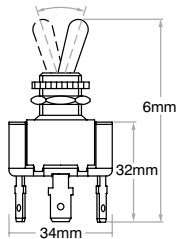


### 5592BL

Toggle Switch

6x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - DPDT



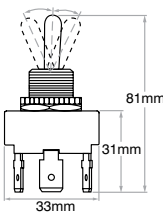
### ACX7638

Toggle Switch

IP68 rated

6x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - DPDT
	<b>ENVIRONMENT</b> IP68

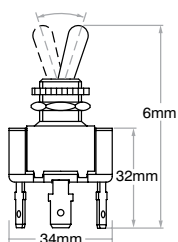


### 55064BL

Toggle Switch Long Arm

6x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - On - DPDT



### ACX7635

Toggle Switch

IP68 rated

6x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - Mom On - DPDT







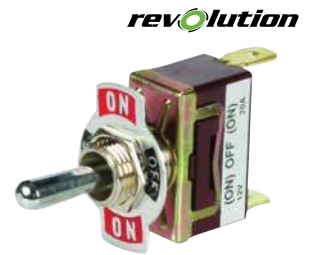
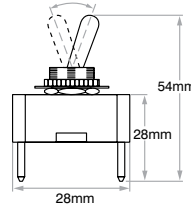


## 56-90129BLR

### Toggle Switch with Label

3x blade terminals  
Includes metal label On/Off/On

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - SPDT







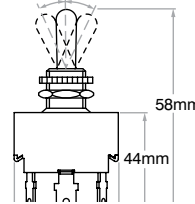
revolution

## TDR11064

### Toggle Switch

3x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - SPDT







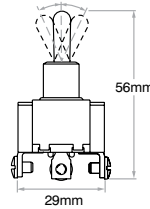
THUNDER  
Connection for Woodland Escape

## 55021BL

### Toggle Switch

3x screw terminals





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - SPDT

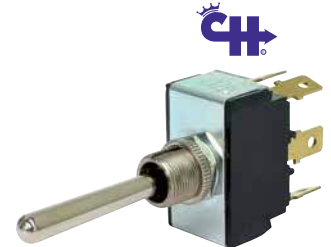
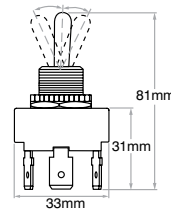


## 55065-02BL

### Toggle Switch Long Arm

Long handle  
6x blade terminals





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT

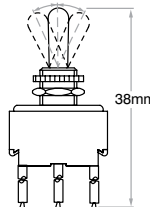


## 55021-07BL

### Toggle Switch PVC Coated

IP67 rated  
Pre-wired





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - SPDT

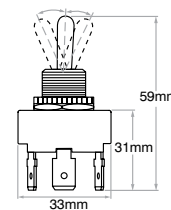


## ACX3958BL

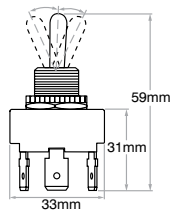
### Toggle Switch

6x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 125mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT



OEX

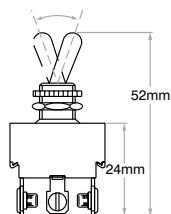


### 55065-03BL

Toggle Switch

6x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT

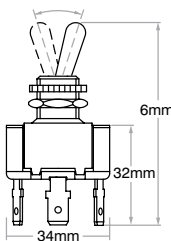


### 55054BL

Toggle Switch

6x screw terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT



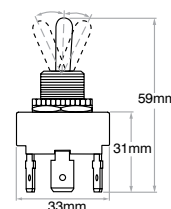
### ACX7636

Toggle Switch

IP68 rated

6 x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT



### ACX3919BL

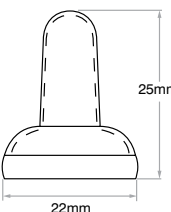
Toggle Switch - Reversing

Metal lever and bushing are nickel plated brass

Phenolic base

6x blade terminals reversing polarity switch - bridged terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT



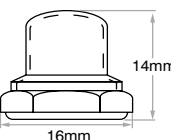
### ACX3949BL

Rubber Boot for Toggle Switch

12mm diameter stem

PVC plastic

Dust resistant



### 81255BL

Toggle Switch Boot

To suit toggle switch

Designed to increase switch life & protect against moisture, dust & salt spray

Thread: 15/32"

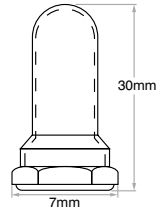
## 81264BL

### Toggle Switch Boot

To suit toggle switch

Designed to increase switch life & protect against moisture, dust & salt spray

Thread: 15/32"



## ACX3912

### 12-24V Voltage Drop Resistor

Allows 12V illuminated switches to be used with 24V applications

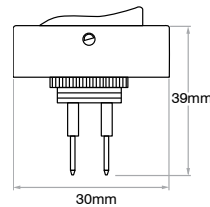


## TDR11069

### Surface Mount Rocker Switch

2x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

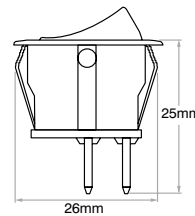


## TDR11073

### Square Face Rocker Switch

2x blade terminals

	<b>VOLTAGE</b> 12 to 110V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 24mm
	<b>FUNCTION</b> On - Off - SPST

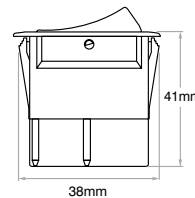


## TDR11056

### Mini Rocker Switch

4x blade terminals

	<b>VOLTAGE</b> 12V or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 20 x 35mm
	<b>FUNCTION</b> On - Off - DPST

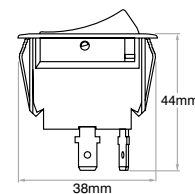


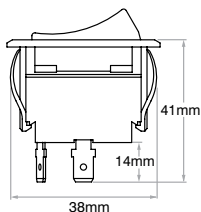
## ACX3779BL

### Standard Rocker Switch

2x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - DPST



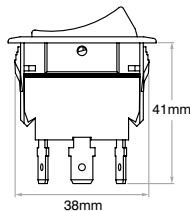


### 58027-01BL

Standard Rocker Switch

2x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST

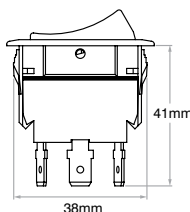


### 58027-03BL

Standard Rocker Switch

3x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - On - SPDT

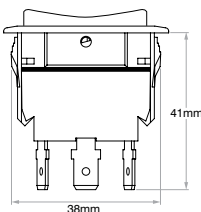


### 58027-07BL

Standard Rocker Switch

6x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - On - DPDT

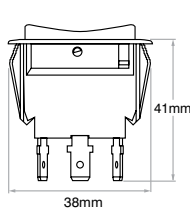


### 58027-11BL

Standard Rocker Switch

6x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT

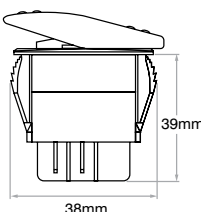


### ACX3783BL

Standard Rocker Switch

6x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> Mom On - Off - Mom On - DPDT



### M58031-01BL

Rocker Switch Carling Style




2x blade terminals

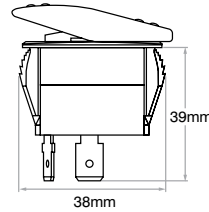
	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST

## Carling Style Rocker Switch

2x blade terminals

Part No.	Function
ACX3705BL	On - Off - SPST
ACX3706BL	Off - Mom On - SPST

 <b>VOLTAGE</b> 12 or 24V
 <b>AMPS</b> 16A
 <b>MOUNTING HOLE</b> 21 x 37mm






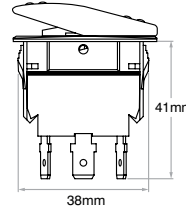
**OEX**

## Carling Style Rocker Switch

3x blade terminals

Part No.	Function
ACX3715BL	On - Off - On - SPST
ACX3716BL	Mom On - Off - Mom On - SPST

 <b>VOLTAGE</b> 12 or 24V
 <b>AMPS</b> 16A
 <b>MOUNTING HOLE</b> 21 x 37mm











## Round Rocker Switch

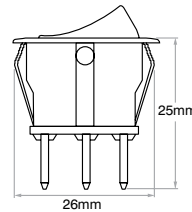
4x blade terminals

Round mounting

Note: For 24V applications, use Part No. ACX3912 (resistor)

Part No.	Colour	
ACX3787	Red	
ACX3788	Blue	
ACX3789	Amber	
ACX3790	Green	

 <b>VOLTAGE</b> 12V
 <b>AMPS</b> 10A
 <b>MOUNTING HOLE</b> 20mm
 <b>FUNCTION</b> On - Off - SPST







**OEX**





## Surface Mount Rocker Switch

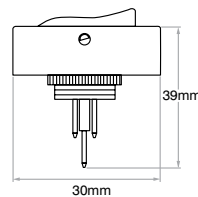
3x blade terminals

Round mounting

Note: For 24V applications, use Part No. ACX3912 (resistor)

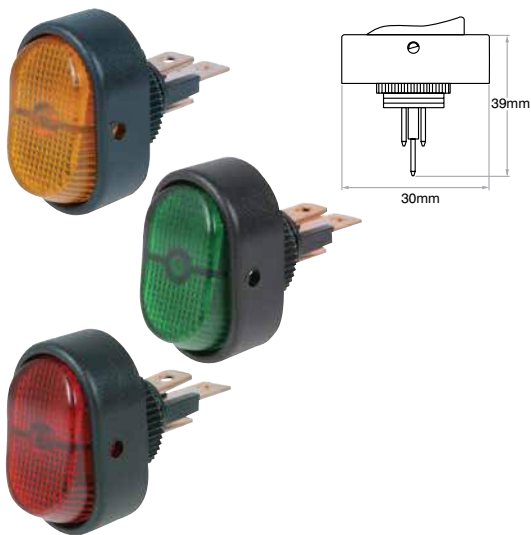
Part No.	Colour	
TDR11070	Amber	
TDR11071	Red	
TDR11072	Green	
TDR11080	Blue	

 <b>VOLTAGE</b> 12V
 <b>AMPS</b> 30A
 <b>MOUNTING HOLE</b> 12mm
 <b>FUNCTION</b> On - Off - SPST



**OEX**





## Surface Mount Rocker Switch

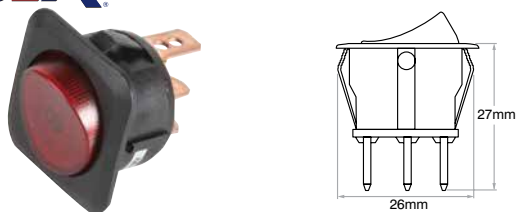
3x blade terminals

Round mounting

Note: For 24V applications, use Part No. ACX3912 (resistor)

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

Part No.	Colour	
<b>ACX3797</b>	Red	
<b>ACX3798</b>	Amber	
<b>ACX3799</b>	Green	



## ACX3765BL

Square Face Rocker Switch - Red

3x blade terminals

Illumination: red

Round mounting

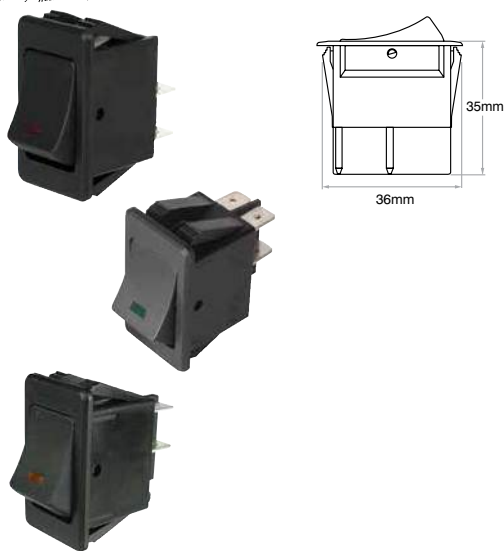
Note: For 24V applications, use Part No. ACX3912 (resistor)

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 24mm
	<b>FUNCTION</b> On - Off - SPST

## Mini LED Rocker Switches

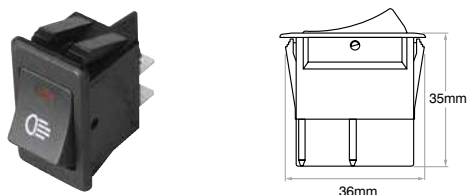
4x blade terminals

Note: For 24V applications, use Part No. ACX3912 (resistor)



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 20 x 35mm
	<b>FUNCTION</b> On - Off - SPST

Part No.	Colour	
<b>TDR11057</b>	Amber	
<b>TDR11058</b>	Red	
<b>TDR11059</b>	Green	



## Mini Driving Light Rocker Switches

4x blade terminals

Note: For 24V applications, use Part No. ACX3912 (resistor)

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 20 x 35mm
	<b>FUNCTION</b> On - Off - SPST

Part No.	Colour	
<b>TDR11060</b>	Red	
<b>TDR11061</b>	Green	







# ACX3784BL

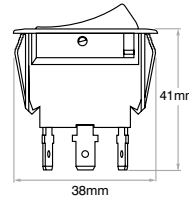
## Rocker Switch - Red

3x blade terminals

Illumination: red

Note: For 24V applications, use Part No. ACX3912 (resistor)

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST







**OEX**

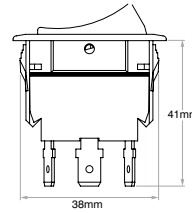
# Surface Mount Rocker Switch

3x blade terminals

Note: for 24V Applications, Part No. ACX3912 (Resistor)

Part No.	Colour	
58328-04BL	Amber	
58328-13BL	Red	
58328-11BL	Green	
58328-55BL	Blue	
58328-100BL	Various	

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST









**CH**

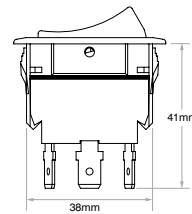
# Rocker Switches

3x blade terminals

Note: For 24V applications, use Part No. ACX3912 (resistor)

Part No.	Colour	
ACX3791BL	Red	
ACX3792BL	Amber	

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST









**OEX**

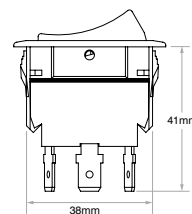
# Rocker Switches

3x blade terminals

Note: For 24V applications, use Part No. ACX3912 (resistor)

Part No.	Colour	
58328-62BL	Red	
58328-58BL	Amber	

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 25A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST



**CH**

# GWA0014

## Great Whites On/Off Rocker Switch - Blue

Suitable for 12-24V applications





Illumination: blue

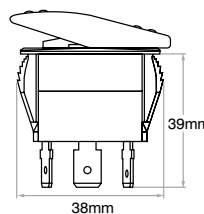
20A rating switch

Terminal 2 = power in

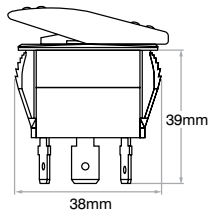
Terminal 3 = power out

Terminal 6 = earth

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST



**GREAT WHITES**  
Lighting Forefront

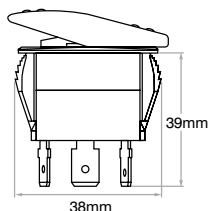


## Carling Style Rocker Switches

3x blade terminals

Part No.	Colour	
TDR11074	Red	
TDR11075	Blue	
TDR11076	Amber	

- VOLTAGE**  
12 or 24V
- AMPS**  
20A
- MOUNTING HOLE**  
21 x 37mm
- FUNCTION**  
On - Off - SPST

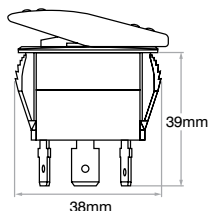


## TDR11008

Driving Light Rocker Switch

5x blade terminals  
Illumination: blue

- VOLTAGE**  
12 or 24V
- AMPS**  
20A
- MOUNTING HOLE**  
21 x 37mm
- FUNCTION**  
On - Off - SPST

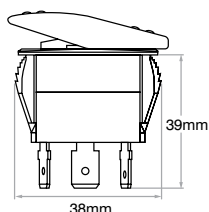


## TDR11009

Compressor Rocker Switch

5x blade terminals  
Illumination: blue

- VOLTAGE**  
12 or 24V
- AMPS**  
20A
- MOUNTING HOLE**  
21 x 37mm
- FUNCTION**  
On - Off - SPST

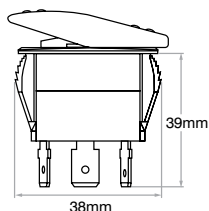


## TDR11010

Roof Lights Rocker Switch

5x blade terminals  
Illumination: blue

- VOLTAGE**  
12 or 24V
- AMPS**  
20A
- MOUNTING HOLE**  
21 x 37mm
- FUNCTION**  
On - Off - SPST



## TDR11011

Refrigerator Rocker Switch





5x blade terminals  
Illumination: blue

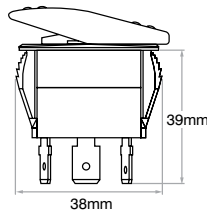
- VOLTAGE**  
12 or 24V
- AMPS**  
20A
- MOUNTING HOLE**  
21 x 37mm
- FUNCTION**  
On - Off - SPST

## TDR11012

### Beacon Light Rocker Switch

5x blade terminals  
Illumination: blue





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST

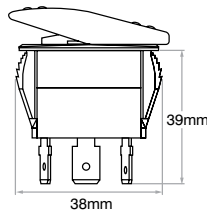


## TDR11013

### Auxiliary Light Rocker Switch

5x blade terminals  
Illumination: blue





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST

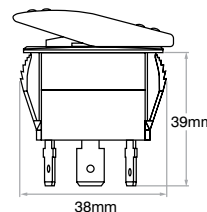


## TDR11014

### Backup Light Rocker Switch

5x blade terminals  
Illumination: blue





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST

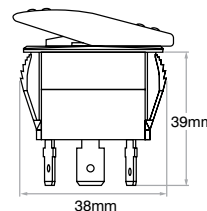


## TDR11015

### Thunder Rocker Switch

5x blade terminals  
Illumination: blue





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST

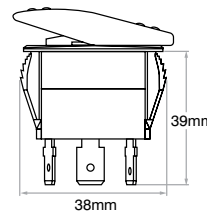


## TDR11020

### Fog Light Rocker Switch

5x blade terminals  
Illumination: blue





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST

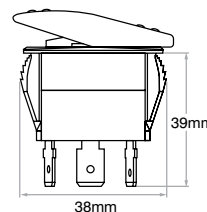


## TDR11021

### Light Bar Rocker Switch

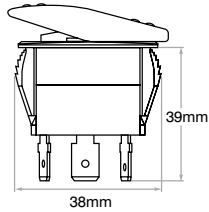
5x blade terminals  
Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST





Connection to your Headland Escape



### TDR11022

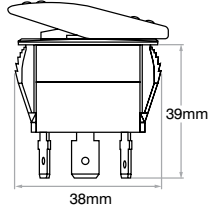
#### Front Diff Lock Rocker Switch

5x blade terminals  
Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST



Connection to your Headland Escape



### TDR11023

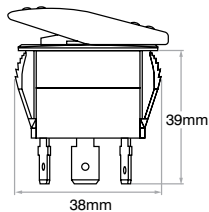
#### Rear Diff Lock Rocker Switch

5x blade terminals  
Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST



Connection to your Headland Escape



### TDR11024

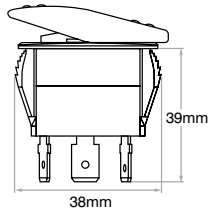
#### Zombie Lights Rocker Switch - Blue

5x blade terminals  
Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST



Connection to your Headland Escape



### TDR11047

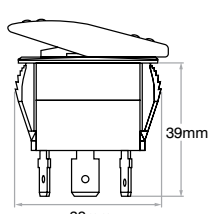
#### Jump Start Rocker Switch - Blue

5x blade terminals  
Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> Off - Mom On - SPST



Connection to your Headland Escape



### TDR11007

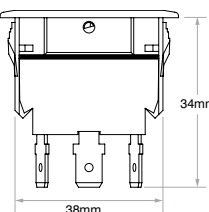
#### Winch Rocker Switch

5x blade terminals  
Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> Mom On - Off - Mom On - SPDT



Connection to your Headland Escape



### TDR11016

#### Touch Switch - Red/Blue

3x blade terminals  
Illumination: red/blue  
12V solid state

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 21 x 37mm
	<b>FUNCTION</b> On - Off - SPST



online



branch



app



phone



## TDR11030

### 4 Switch Panel Fuse Protection

Control up to four devices with pre-wired illuminated rocker switches.

Fascia hides blade fuse holders  
Includes 40 application decals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 93 x 105mm
	<b>FUNCTION</b> On - Off - SPST



## TDR11031

### 6 Switch Panel Fuse Protection

Customise your switch panel and control up to six devices with pre-wired illuminated rocker switches.

Blade fuses are hidden behind fascia.  
Includes 40 application decals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 93 x 157mm
	<b>FUNCTION</b> On - Off - SPST



## TDR11079

### 6 Switch Touch Panel

6 outputs with common power input  
12/24V, 10A per circuit

Reverse polarity protected, over-voltage and over-current protection

Remote waterproof stick on switch face

45 switch labels included

15m VGA cable, blue LED indication switch panel  
100 x 80 x 25mm (70mm deep with VGA connector),  
control box 135 x 85 x 30mm

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A x 6
	<b>MOUNTING HOLE</b> 20 x 50mm
	<b>FUNCTION</b> On - Off - Other



## TDR11001

### Toyota Driving Light Push Switch

To suit Toyota HiLux 2005 - 2014, Toyota Prado 120 Series,  
Toyota FJ Cruiser 2011 - 2013 & Toyota LandCruiser 100 Series

Wiring code: black: earth, blue: dash light circuit (optional),  
red: 12V input, green: 12V output

Pre-wired terminals

Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 4A
	<b>FUNCTION</b> On - Off - SPST



## TDR11018

### Toyota Beacon Light Push Switch

To suit Toyota HiLux 2005 - 2014 Toyota Prado 120 Series,  
Toyota FJ Cruiser, 2011 - 2013 & Toyota LandCruiser 100 Series

Wiring code: black: earth, blue: dash light circuit (optional),  
red: 12V input, green: 12V output

Pre-wired terminals

Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off - SPST



## TDR11019

### Toyota Work Light Push Switch

To suit Toyota HiLux 2005 - 2014, Toyota Prado 120 Series,  
Toyota FJ Cruiser 2011 - 2013 & Toyota LandCruiser 100 Series

Wiring code: black: earth, blue: dash light circuit (optional),  
red: 12V input, green: 12V output

Pre-wired terminals

Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off - SPST



**THUNDER**  
*Connection is your Headland Escape*


## TDR11002

### Toyota Driving Light Push Switch

To suit Toyota LandCruiser 200 Series & Toyota Prado 150 Series  
 Wiring code: black: earth, blue: dash light circuit (optional), red: 12V input, green: 12V output  
 Pre-wired terminals  
 Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 4A
	<b>FUNCTION</b> On - Off - SPST

**THUNDER**  
*Connection is your Headland Escape*


## TDR11077

### Toyota Beacon Light Rocker Switch

To suit Toyota HiLux, LandCruiser 200 Series, Prado 150 Series and Mitsubishi Triton 2015 >  
 Pre-wired terminals  
 Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>FUNCTION</b> Off - On - SPST

**THUNDER**  
*Connection is your Headland Escape*


## TDR11078

### Toyota Work Light Switch

To suit Toyota HiLux, LandCruiser 200 Series, Prado 150 Series and Mitsubishi Triton 2015 >  
 Pre-wired terminals  
 Illumination: blue

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 20A
	<b>FUNCTION</b> Off - On - SPST

**THUNDER**  
*Connection is your Headland Escape*


## TDR11003

### Nissan Driving Light Switch

To suit Nissan Navara D40, Patrol GU 4-7 Series & Nissan Patrol Y62  
 Wiring code: black: earth, blue: dash light circuit (optional), red: 12V input, green: 12V output  
 Pre-wired terminals  
 Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 4A
	<b>FUNCTION</b> On - Off - SPST

**THUNDER**  
*Connection is your Headland Escape*


## TDR11004

### Isuzu/Holden Driving Light Switch

To suit Isuzu D-Max 2009 - 2012, Holden Colorado 2008 - 2012 & Holden Rodeo 2003-2008  
 Wiring code: black: earth, blue: dash light circuit (optional), red: 12V input, green: 12V output  
 Pre-wired terminals  
 Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 4A
	<b>FUNCTION</b> On - Off - SPST

**THUNDER**  
*Connection is your Headland Escape*


## TDR11048

### Isuzu Driving Light Switch

Suits Isuzu D-MAX & MU-X 2012 - 2016  
 Wiring code: black: earth, blue: dash light circuit (optional), red: 12V input, green: 12V output  
 Pre-wired terminals  
 Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off - SPST

## TDR11005




### Volkswagen Driving Light Switch

To suit Volkswagen Amarok 2011 >

Wiring code: black: earth, blue: dash light circuit (optional), red: 12V input, green: 12V output

Pre-wired terminals

Illumination: blue

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 4A
	<b>FUNCTION</b> On - Off - SPST



**THUNDER**  
Connection in your Workshop Escape

## LED Push Button Pre Wired





Push On, push Off






IP65 rated

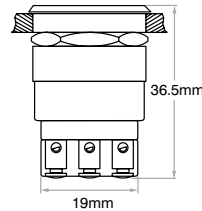
5x blade terminals

Chrome plated

N/O & N/C terminals 12V only

Part No.	Colour	
ACX3690BL	Red	
ACX3691BL	Green	
ACX3692BL	Blue	
ACX3693BL	White	

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 5A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> On - Off - SPST
	<b>ENVIRONMENT</b> IP65






**OEX**

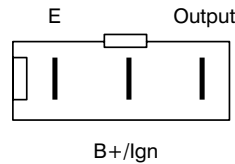
## TDR11062

### Push Button Switch Pre Wired

Surface mount

Green on, red off

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off - SPST



**THUNDER**  
Connection in your Workshop Escape

## ACX3677BL





### Push Button Switch

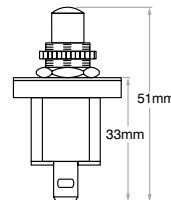
Push button switch momentary

2x blade terminals

Silver contacts

Normal open contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Off - Mom On - SPST



**OEX**





## ACX3610BL

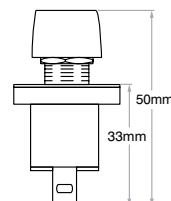
### Push Button Switch

Off/momentary on, normally off, on with button depressed, spring return to off

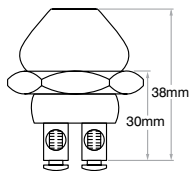
2x blade terminals

Silver contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Off - Mom On - SPST



**OEX**

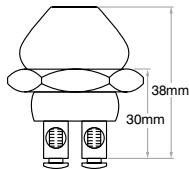


### TDR11068

#### Push Button Switch

Water resistant  
Off/momentary on, normally off, on with button depressed, spring return to off  
2x screw terminals  
Bronze contacts

	<b>VOLTAGE</b> 12 to 110V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> Off - Mom On - SPST

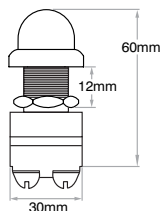


### ACX3609BL

#### Push Button Switch

Water resistant,  
Off/momentary on, normally off, on with button depressed, spring return to off  
2x screw terminals  
Bronze contacts

	<b>VOLTAGE</b> 12 to 110V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> Off - Mom On - SPST

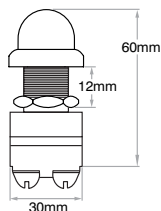


### TDR11067

#### Push Button Switch

With waterproof boot  
2x screw terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 50A
	<b>MOUNTING HOLE</b> 16mm
	<b>FUNCTION</b> Off - Mom On - SPST

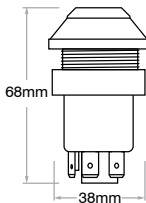


### 90030BL

#### Push Button Switch

With waterproof boot  
2x screw terminals  
Silver contacts

	<b>VOLTAGE</b> 12 to 24V
	<b>AMPS</b> 60A
	<b>MOUNTING HOLE</b> 16mm
	<b>FUNCTION</b> Off - Mom On - SPST

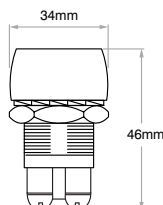


### 0340302111

#### Hazard Switch

7x blade terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 28mm
	<b>FUNCTION</b> On - Off - Other



### ACX3674BL

#### Engine Start Switch





3x blade terminals  
Illumination: Green  
Silver contacts  
Note: For 24V applications use Part No. ACX3912 (resistor)

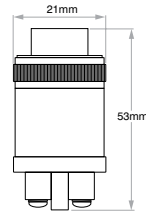
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 50A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> Off - Mom On - SPST

## 90047BX

### Engine Start Switch

2x screw terminals  
Silver contacts





	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 35A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> Off - Mom On - SPST

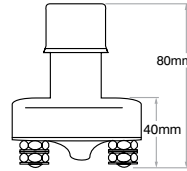


## 9060BX

### Ignition Switch

Foot operated





	<b>VOLTAGE</b> 12 to 36V
	<b>AMPS</b> 200A
	<b>MOUNTING HOLE</b> 62mm
	<b>FUNCTION</b> Off - Mom On - SPST

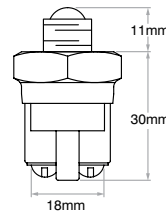


## 91113BL

### Reverse Switch Heavy Duty

2x screw terminal  
Silver contacts





	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> Off - Mom On - SPST

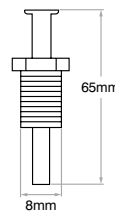


## 9251BL

### Door Switch Normally Closed

1x bullet terminal  
Copper contacts





	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 3A
	<b>MOUNTING HOLE</b> 8mm
	<b>FUNCTION</b> Off - Mom On - SPST

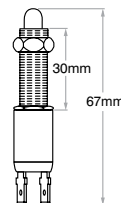


## ACX3469BL

### Stop Light Switch Metal

Suits: Nissan/Datsun  
Replaces: 25320-H8500  
Thread: M10 x 125mm





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Mom Off - SPST

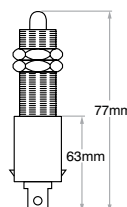


## ACX3467BL

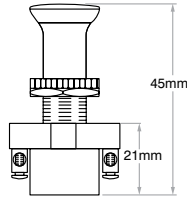
### Stop Light Switch Plastic

Suits: Holden and universal applications  
Off in normal position, on when spring depressed  
Single pole - single throw  
2x blade terminals,  
Replaces: 1998192  
Mounting stem: 12.5mm diameter

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 13mm
	<b>FUNCTION</b> On - Mom Off - SPST





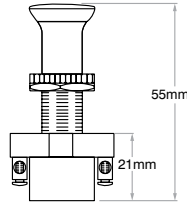


### ACX3670BL

Push Pull Switch

2x screw terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 16A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST

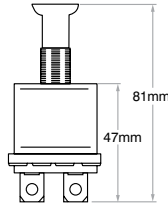


### ACX3671BL

Push Pull Switch

2x screw terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 16A
	<b>MOUNTING HOLE</b> 30mm
	<b>FUNCTION</b> On - Off - SPST



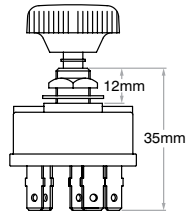
### ACX3644BL

Push Pull Switch

2x screw terminals

Silver contacts

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 75A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> On - Off - SPST



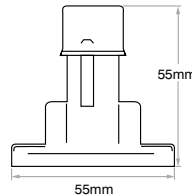
### 75228-03BX

Rotary Wiper Switch

6x blade terminals

3 position wiper switch

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 6A
	<b>MOUNTING HOLE</b> 12mm
	<b>FUNCTION</b> Off - Low - High - Wash



### ACX3450

Headlamp DIP Switch Foot Operated

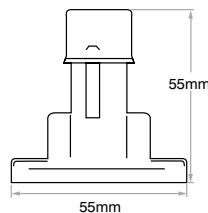
Suits: Holden FB - HJ, Jeep 1974 - 1982

Depress release for low beam and depress release for high beam

Single pole, single throw

Replaces: 1997028, 5461816, 1997037, D808

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 16A
	<b>FUNCTION</b> On - On - SPDT



### ACX3451

Headlamp DIP Switch Foot Operated

Suits: Ford Falcon/Fairlane 1960 - 1971, IHC 1973 - 1977

Depress release for low beam and depress release for high beam

Single pole, single throw

Replaces: COTF-13A024A, SW263, COTZ - 13A024A




	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 16A
	<b>FUNCTION</b> On - On - SPDT



## TGL0001

### Pendant Switch 2 Position

Internal terminals  
To suit tailgate lifters  
Up & down




	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 5A
	<b>FUNCTION</b> Off - Mom On - Other



## TGL0002

### Pendant Switch 4 Position

Internal terminals  
To suit tailgate lifters  
Up & down, east & west





	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 5A
	<b>FUNCTION</b> Off - Mom On - Other

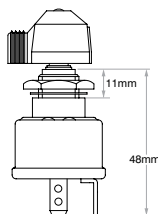


## 95612BL

### Ignition Switch 3 Position

2x blade terminals





	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> Off - Ign - Start

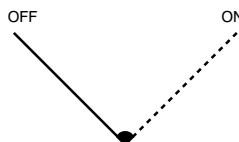


## ACX3551BL

### Ignition Switch 2 Position

Supplied with 2 keys  
Key removable in off position only  
2x screw terminals  
Fits panel thickness up to 8mm





	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 20A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> On - Off - SPST

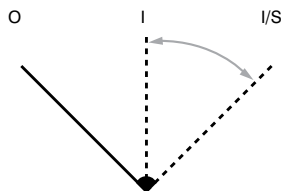


## ACX3552BL

### Ignition Switch 3 Position

Supplied with 2 keys  
Key removable in off position only  
3x screw terminals  
Fits panel thickness up to 2mm





	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 25mm
	<b>FUNCTION</b> Off - Ign - Start

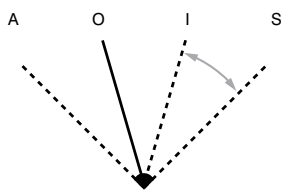


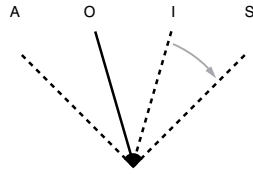
## 95060-01BX

### Ignition Switch 4 Position

6x Deutsch terminals  
Panel thickness: 10mm  
IP67 rated  
Anti restart

	<b>VOLTAGE</b> 6-24V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> Acc - Off - Ign - Start



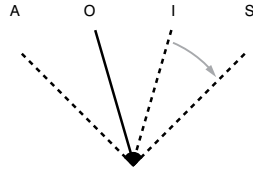


### 9579BL

#### Ignition Switch 4 Position

4x screw terminals  
Key removable in off position only  
Fits panel thickness up to 9.5mm

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 18mm
	<b>FUNCTION</b> Acc - Off - Ign - Start

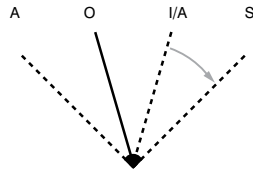


### ACX3581

#### Ignition Switch 4 Position

Standard ignition switch  
5x screw terminals  
Panel thickness: 2mm  
Anti -estart  
Hyster replacement

	<b>VOLTAGE</b> 6 to 36V
	<b>AMPS</b> 10A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> Acc - Off - Ign - Start

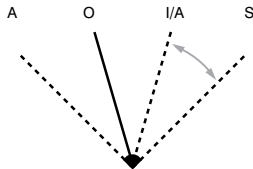


### ACX3564

#### Ignition Switch 4 Position

Supplied with 2 keys  
11 blade terminals  
Key removable in off position only  
Anti-restart  
Fits panel thickness up to 2mm

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 25mm
	<b>FUNCTION</b> Acc - Off - Acc/ Ign - Start

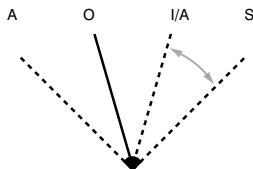


### ACX3557BL

#### Ignition Switch 4 Position

Supplied with 2 keys  
4x screw terminals  
Key removable in off position only  
Fits panel thickness up to 2mm

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 25mm
	<b>FUNCTION</b> Acc - Off - Acc/ Ign - Start

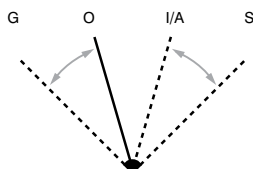


### ACX3556BL

#### Ignition Switch 4 Position

Supplied with 2 keys  
4x stud terminals  
Key removable in off position only  
Fits panel thickness up to 8mm

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> Acc - Off - Ign - Start



### ACX3563

#### Ignition Switch 4 Position

Supplied with 2 keys  
6 screw terminals  
Key removable in off position only  
Suits: Isuzu, Nissan truck and bus applications, UD3, UD4, UD5, UD6 2 cycle engine

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> Glow - Off - Acc/ Ign - Start



## ACX3562





### Ignition Switch 4 Position

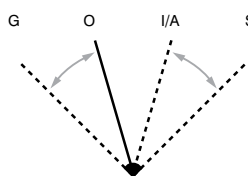
B1 and B2 are linked (with linking connection supplied) and are to be supplied with a 'battery feed'

G1 and G2 are linked (with linking connection supplied) and will supply power to the 'glow' circuit when the switch is activated, M is the 'ignition' output from the switch, S is the 'start wire output' from the switch

6x screw terminals

Fits panel thickness up to 2mm

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 30A
	<b>MOUNTING HOLE</b> 25mm
	<b>FUNCTION</b> Glow - Off - Acc/ Ign - Start



**OEX**

## ACX3568





### Ignition Switch 4 Position

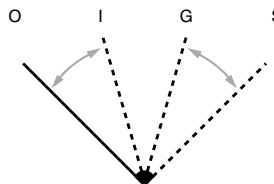
Diesel ignition switch

6x screw terminals

Fits panel thickness up to 2mm

Spare key Part No. ACX3568K

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b>
	<b>MOUNTING HOLE</b> 20mm
	<b>FUNCTION</b> Off - Ign - Glow - Start



**OEX**

## ACX3579





### Ignition Switch 5 Position

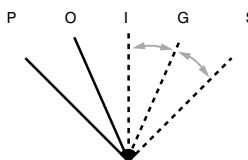
IP65 rated

12x blade terminals

Anti-restart

Fits panel thickness up to 3mm

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 6A
	<b>MOUNTING HOLE</b> 26mm
	<b>FUNCTION</b> Park - Off - Ign - Glow - Start






**OEX**

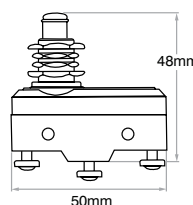
## ACX7640

### Micro Switch Push Button Plunger

Long life micro switch with standard fitment

Note: High vibration & shock resistance normally open & normally closed contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>FUNCTION</b> On - Off / Off - On






**OEX**

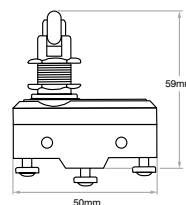
## ACX7641

### Microswitch Top Roller Plunger

Long life micro switch with standard fitment

Note: High vibration & shock resistance normally open & normally closed contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>FUNCTION</b> On - Off / Off - On






**OEX**

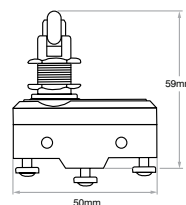
## ACX7642

### Micro Switch Top Cross Roller

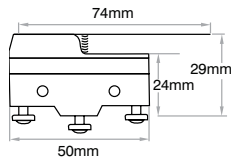
Long life micro switch with standard fitment

Note: High vibration & shock resistance normally open & normally closed contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>FUNCTION</b> On - Off / Off - On



**OEX**

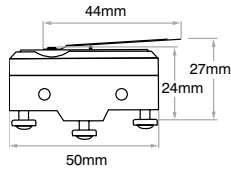


### ACX7643

#### Micro Switch 74mm Lever

Long life micro switch with standard fitment  
 Note: High vibration & shock resistance normally open & normally closed contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>FUNCTION</b> On - Off / Off - On

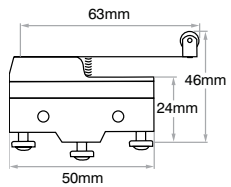


### ACX7644

#### Micro Switch 40mm Lever

Long life micro switch with standard fitment  
 Note: High vibration & shock resistance normally open & normally closed contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>FUNCTION</b> On - Off / Off - On

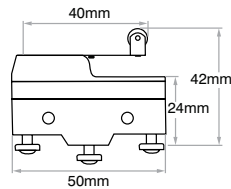


### ACX7645

#### Micro Switch 63mm Roller Lever

Long life micro switch with standard fitment  
 Note: High vibration & shock resistance normally open & normally closed contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>FUNCTION</b> On - Off / Off - On

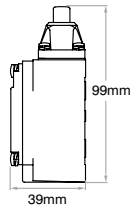


### ACX7646

#### Micro Switch 40mm Roller Lever

Long life micro switch with standard fitment  
 Note: High vibration & shock resistance normally open & normally closed contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 15A
	<b>FUNCTION</b> On - Off / Off - On

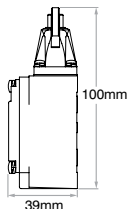


### ACX7647

#### Limit Switch Top Button Plunger

Long life micro switch with standard fitment  
 Rugged die cast housing  
 Long mechanical life  
 IP67 rated  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP67



### ACX7648

#### Limit Switch Top Roller Plunger

Long life micro switch with standard fitment  
 Rugged die cast housing  
 Long mechanical life  
 IP67 rated  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP67

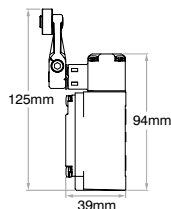


## ACX7649

### Limit Switch Side Rotary Arm

Long life micro switch with standard fitment  
 Rugged die cast housing  
 Long mechanical life  
 IP67 rated  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP67

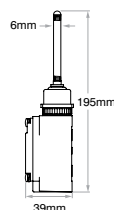


## ACX7650

### Limit Switch Wobble Coil

Long life micro switch with standard fitment  
 Rugged die cast housing  
 Long mechanical life  
 IP67 rated  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP67

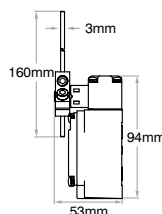


## ACX7651

### Limit Switch Adjustable Rod

Long life micro switch with standard fitment  
 Rugged die cast housing  
 Long mechanical life  
 IP67 rated  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP67

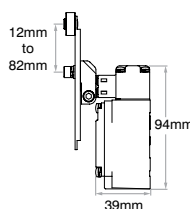


## ACX7652

### Limit Switch Adjustable Side Rotary Arm

Long life micro switch with standard fitment  
 Rugged die cast housing  
 Long mechanical life  
 IP67 rated  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP67

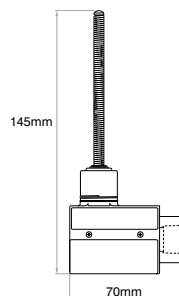


## ACX7653

### Limit Switch Wobble Coil

Long life micro switch with standard fitment  
 Rugged die cast housing  
 Long mechanical life  
 IP67 rated  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP67

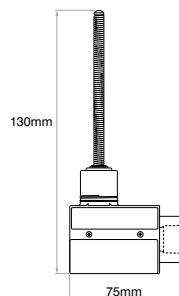


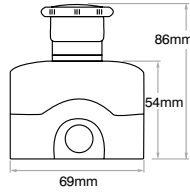
## ACX5011

### Limit Switch Wobble Coil

130mm  
 Rugged aluminium die cast housing  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 5A
	<b>FUNCTION</b> On - Off - SPST



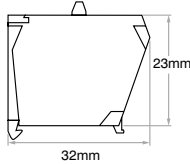


### ACX3438

#### Emergency Stop Switch 3A @ 240V

Internal or external mount  
 Weather proof enclosure IP65  
 40mm diameter mushroom head latching push button  
 Turn to release  
 1 normally closed contact  
 1 normally open contact

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 3A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP65

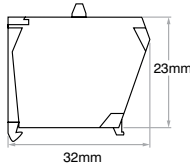


### ACX3438NC

#### Contact Block Normally Closed

Normally closed contacts  
 To suit Part No. ACX3438

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 3A
	<b>FUNCTION</b> On - Norm Off - SPST



### ACX3438NO

#### Contact Block Normally Open

Normally open contacts  
 To suit Part No. ACX3438

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 3A
	<b>FUNCTION</b> Off - Norm On



### ACX3438COVER

#### Emergency Stop Switch Cover

Weather protection for externally  
 To suit Part No. ACX3438

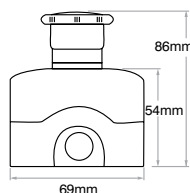


### ACX3438PANEL

#### E-Stop Through Panel 3A @ 12 or 24V

Includes emergency stop label  
 Contactors to suit: ZBE102 (normally closed)/ZBE101 (normally opened)

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 3A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> On - Off / Off - On



### ACX3438METAL

#### Emergency Stop Switch

IP65 rated  
 Aluminium housing  
 Push to stop, twist to release  
 Contactors to suit: ZBE102 (normally closed)/ZBE101 (normally opened)  
 Contacts rated 3A @ 12 or 24V

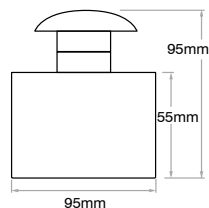
	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 3A
	<b>FUNCTION</b> On - Off / Off - On
	<b>ENVIRONMENT</b> IP65

## ESP6/6

### Emergency Stop Switch

IP65 rated  
 Lockable in off position aluminium housing  
 Push to stop, pull to release  
 Normally open & normally closed circuits

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP65



## WES43301-R

### Wireless Emergency Stop Switch

100m remote activation radius  
 Multiple remotes can be assigned to 1 receiver  
 Multiple receivers can be assigned to 1 remote  
 Frequency hopping between 433.1 to 434.7MHz  
 Can be operated manually or by remote  
 Normally open & normally closed circuits  
 Can be retro-fitted to replace any existing E-stop

	<b>VOLTAGE</b> 10 to 28V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> Off - On - DPDT



## WES43301-T

### Remote For Wireless E-Stop

Multiple remotes can be assigned to 1 receiver  
 2 year battery life under normal operation



## BT001

### Battery Disconnect Terminal

Negative terminal isolation

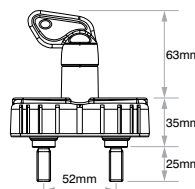


## ACX3410

### Battery Master/Isolation Switch

Amperage peak: 1500A  
 5 seconds on, 3 minutes off  
 Main stud terminals: 2x 10mm  
 IP65 rated  
 Slim fitting

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 200A
	<b>MOUNTING HOLE</b> 27mm
	<b>FUNCTION</b> Off - On - SPST
	<b>ENVIRONMENT</b> IP65

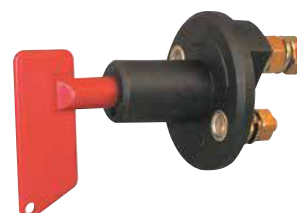


## ACX3409

### Battery Master Switch 75A @ 12V

2x 8mm stud terminals  
 Key is removable in off position  
 Panel or recessed mount, 75A continuous @ 12V  
 Spare key Part No. ACX3422

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 75A
	<b>FUNCTION</b> On - Off - SPST





### TDR11043 Battery Master Switch

2x 8mm stud terminals  
100A battery cut off switch  
Spare key Part No. TDR11044

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 100A
	<b>FUNCTION</b> On - Off - SPST



### TDR11046 Battery Master Switch 100A @ 12V

Marine grade battery master switch to suit dual battery systems  
3x 8mm stud terminals  
4 position: Off, battery 1, battery 2, battery 1 & 2

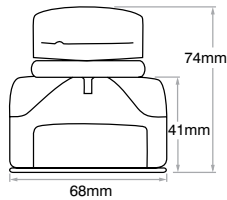
	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 100A
	<b>FUNCTION</b> On - Off - On - Other



### TDR11045 Battery Master Switch 200A @ 12V

Marine grade battery master switch  
2x 8mm stud terminals

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 200A
	<b>FUNCTION</b> Off - On - On - On



### ACX3412 Battery Master Switch

2x 10mm stud terminals  
Corrosion resistant black plastic housing  
Key is removable by rotating 45° counter clockwise however it is unable to be removed in either the on or off position  
Built-in self cleaning sliding contact,  
Removable rear cover and side panels,  
Switch can be surface mounted or recessed into a panel, recessed mount requires 52mm hole

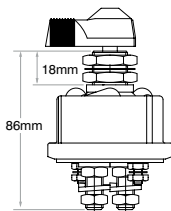
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 275A
	<b>FUNCTION</b> On - Off - SPST



### M750BL Battery Isolator Switch 310A @ 12V

Main stud terminals: 3x 10mm  
Maximum starting power, allows either or both batteries to be used, impact resistant, polyester thermo-plastic case & knob, water resistant,  
Synthetic rubber O'Ring keeps out contaminants  
Heavy copper studs & brass nuts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 310A
	<b>FUNCTION</b> Off - On - On - On



### 75903BX Battery Master Switch 125A @ 12V

Ingress protection IP55  
Main terminals 3/8" Copper  
Field Terminals 10-32  
Panel Thickness 6.5mm  
Indexing Pin No  
Lockout Use 24505-01BL, 24505-01RBL, 24505-01YBL or ACX3417BL

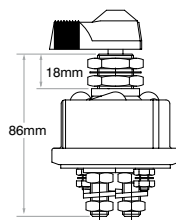
	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 175A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP65

## 75904BX

### Battery Master Switch 125A @ 12V

Ingress protection IP55  
 Main terminals 3/8" brass  
 Field terminals 10-32  
 Panel thickness 6.5mm  
 Indexing pin - No  
 Lockout Use 24505-01BL, 24505-01RBL, 24505-01YBL or ACX3417BL

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 175A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP55

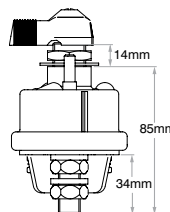


## 75907BX

### Battery Master Switch 300A @ 12V

Ingress protection IP64  
 Main terminals 1/2" copper  
 Field terminals 10-32  
 Panel thickness 6.5mm  
 Indexing pin - Yes  
 Lockout use 24505-01BL, 24505-01RBL, 24505-01YBL or ACX3417BL

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 300A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP64

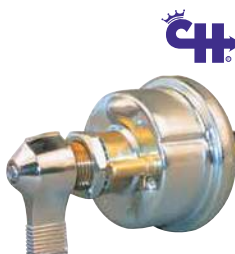
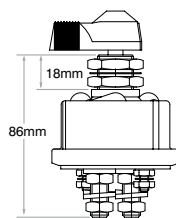


## 75910BX

### Battery Master Switch 125A @ 12V

Ingress protection IP64  
 Main terminals 3/8" brass  
 Field terminals 10-32  
 Panel thickness 6.5mm  
 Indexing pin - Yes  
 Lockout use 24505-01BL, 24505-01RBL, 24505-01YBL or ACX3417BL

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 125A
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP64

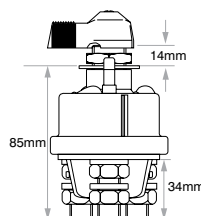


## 75912BX

### Battery Master Switch

Ingress protection IP64  
 Main terminals 3/8" brass  
 Field terminals N/A  
 Panel thickness 6.5mm  
 Indexing pin - Yes  
 Lockout use 24505-01BL, 24505-01RBL, 24505-01YBL or ACX3417BL

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b>
	<b>MOUNTING HOLE</b> 19mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP64

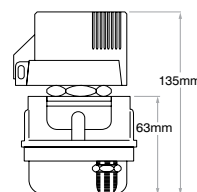


## 75920BX

### Battery Master Switch

Ingress protection IP68  
 Main terminals 3/8" Tin plated copper  
 Field terminals N/A  
 Panel thickness 12mm  
 Indexing pin - Yes  
 Lockout built-in

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 300A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> On - Off - SPST
	<b>ENVIRONMENT</b> IP68

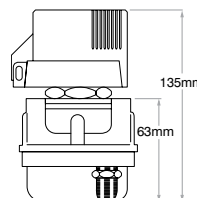


## 75920-01BX

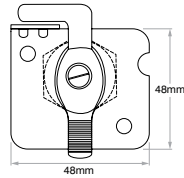
### Battery Master Switch

Ingress protection IP68  
 Main terminals 3/8" Tin plated copper  
 Field terminals N/A  
 Panel thickness 12mm  
 Indexing pin - yes  
 Lockout built-in

	<b>VOLTAGE</b> 6-36V
	<b>AMPS</b> 300A
	<b>MOUNTING HOLE</b> 22mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP68



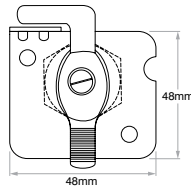




## ACX3417BL

### Lockout Lever Kit Chrome

To suit 75910BX & 75907BX  
Accepts padlocks with shackles up to 5/16" diameter



## Lockout Lever Kits

To suit 75910BX & 75907BX  
Accepts padlocks with shackles up to 5/16" diameter

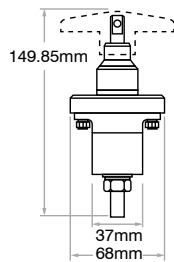
Part No.	Colour
24505-01BL	Chrome
24505-01RBL	Red
24505-01YBL	Yellow



## ACX3405

### Isolator Switch Bracket

Suit Cole Hersee battery master switches 75903BX, 75904BX, 75907BX, 75910BX & 75912BX

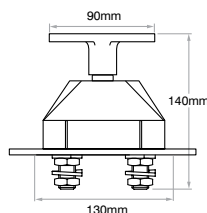


## 08099100

### Battery Master Switch

IP65 rated  
2x 10mm brass terminals  
Silver plated contacts

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 250A
	<b>MOUNTING HOLE</b> 38mm
	<b>FUNCTION</b> Off - On
	<b>ENVIRONMENT</b> IP65



## ACX3437

### Battery Master Switch

Double pole, 4x 10mm terminals  
Rated IP65  
Surface mounting required metal housing,  
Mounting hole centre to centre: 110mm  
Temperature rating -40°C to 85°C  
2,500A intermittent rating (5 seconds)





	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 250A
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP65

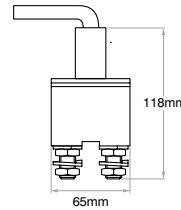


## 0341002003

### Battery Master Switch

2x 12mm stud terminals  
Weather proof cover for switch  
Key is removable in off position  
2,500A intermittent rating (5 secs)  
Intermittent 2,500A for three seconds  
Spare key Part No. ACX3420





	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 250A
	<b>MOUNTING HOLE</b> 65mm
	<b>FUNCTION</b> On - Off - SPST

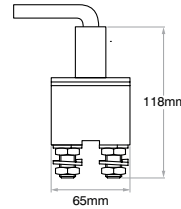


## ACX3408

### Battery Master Switch

2x 12mm stud terminals  
Weather proof cover for switch  
Key is removable in off position  
2,500A intermittent rating (5 secs)  
Intermittent 2,500A for three seconds  
Spare key Part No. ACX3420






	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 250A
	<b>MOUNTING HOLE</b> 65mm
	<b>FUNCTION</b> On - Off - SPST

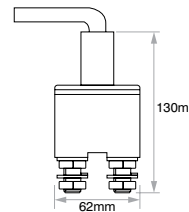


## ACX3424

### Battery Master Switch

Amperage peak: 2,500A  
5 seconds on, 3 minutes off  
Main stud terminals: 2x 10mm  
Lockout incorporated in handle  
IP65 rated, dust cover protection  
Recessed mount requires 65mm hole,  
mounting centres 100mm






	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 250A
	<b>MOUNTING HOLE</b> 65mm
	<b>FUNCTION</b> On - Off - SPST
	<b>ENVIRONMENT</b> IP65

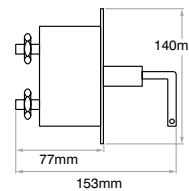


## 0341003004

### Battery Master Switch

Amperage peak: 2,500A  
5 seconds on, 3 minutes off  
Main stud terminals: 4x 10mm, 2 pole isolator  
IP65 rated, dust cover protection  
Mounting centres 100mm, recessed mount





	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 250A
	<b>MOUNTING HOLE</b> 65mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP65

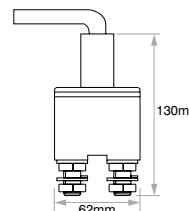


## ACX3427

### Battery Master Switch

Amperage peak: 2,500A  
5 seconds on, 3 minutes off  
Main stud terminals: 4x 10mm, 2 pole isolator  
IP65 rated, dust cover protection  
Mounting centres 100mm, recessed mount requires 65mm hole  
Replacement key Part No. ACX3420






	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 250A
	<b>MOUNTING HOLE</b> 65mm
	<b>FUNCTION</b> On - Off - DPST

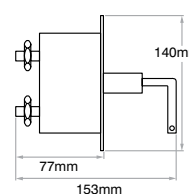


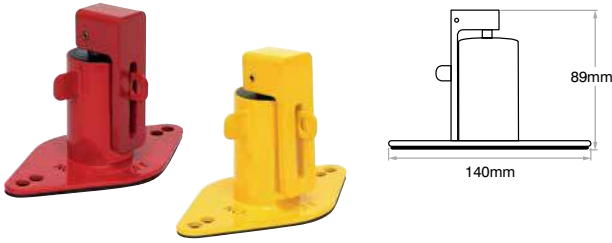
## ACX3426

### Battery Master Switch

Amperage peak: 2,500A  
5 seconds on, 3 minutes off  
Main stud terminals: 4x 10mm, 2 pole isolator  
IP65 rated, dust cover protection  
Mounting centres 100mm, recessed mount requires 65mm hole  
Lockout incorporated in handle

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 250A
	<b>MOUNTING HOLE</b> 65mm
	<b>FUNCTION</b> On - Off - DPST
	<b>ENVIRONMENT</b> IP65





## Locking Bracket

Suits: ACX3408, ACX3427, Bosch 0 341 003 004 & Hella 4653  
 Heavy duty metal construction  
 Includes fitting instructions

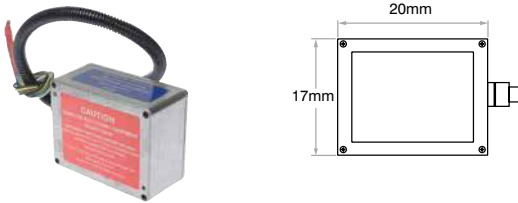
Part No.	Colour
ACX3432	Red
ACX3433	Yellow



## ACX3445

### Lockout Bracket

Suits Lucas "Big Red" style switches  
 Does not come with master switch



## ACX3442

### Roll Over Stability Sensor Switch

Used in conjunction with battery master  
 Switches fitted to dangerous goods vehicles  
 Shuts down vehicles electrical system in a rollover situation

	<b>VOLTAGE</b> 10-33V
	<b>FUNCTION</b> Off - Morn On - SPST



## ROS1224

### Roll Over Sensor

The Roll Over Sensor (ROS) triggers a battery isolation in the event of a vehicle rollover by signalling the isolation switch to disconnect power to the trucks system  
 Easy periodic test by pin-removal and tilt mechanism  
 IP69K rated

	<b>VOLTAGE</b> 10-32V
	<b>AMPS</b> 10A
	<b>FUNCTION</b> Off - Morn On - SPST
	<b>ENVIRONMENT</b> IP69K

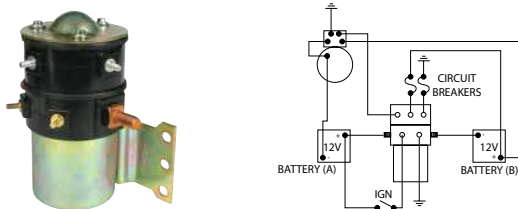


## Battery Master Isolation Switches

Designed to safely isolate the vehicle batteries in both 12 volt and 24 volt vehicles and will ensure reliable performance when the vehicle is operating. Reassuringly exceeds the requirements for large diesel engines. It also features an ISO 26262 rated dual redundancy system to avoid false triggering. Use BMIS-AP to adapt to "Lucas Big Red" footprint

	<b>VOLTAGE</b> 9-33V
	<b>AMPS</b> 400A
	<b>FUNCTION</b> On - Off - DPST

Part No.	Description
BMIS4PNKIT	Positive-Negative
BMIS4PPKIT	Positive-Positive



## ACX3901

### Series Parallel Switch

Delco style  
 Suitable for automatic series  
 Connection of batteries during starting and/or heating operations

	<b>VOLTAGE</b> 12V
	<b>FUNCTION</b> On - On - DPDT

# MORE REASONS TO CHOOSE OEX

Famous for delivering quality and value every day, OEX now offers over 7,500 products in their comprehensive range.

Used and recommended by industry leading auto electrical and thermal specialists, OEX has the range and reputation to be known as The Specialist's Choice.



Alternators | Cable | Compressors | Condensers | Fuses | Globes  
LED Lighting | Radiators | Starter Motors | Switches | Terminals | Valves & Components

# OEX<sup>®</sup>

## THE SPECIALIST'S CHOICE

See the full range on PROLink and Quantum Pro or for more information visit [oex.com.au](http://oex.com.au) or [oex.co.nz](http://oex.co.nz)

# PIN OUT Designation



Terminal No.	Circuit
1	Ignition coil, ignition distributor
1a	To contact breaker point
1b	To contact breaker point I
2	Short circuit terminal (magneto ignition)
4	Ignition coil, ignition distributor, high voltage
4a	From ignition coil I, terminal 4
4b	From ignition coil II, terminal 4
15	Ignition positive (ignition output)
15a	Output at dropping or ballast resistor to ignition coil start
17	Start
19	Preheat glow plug
30	Input from positive battery terminal (direct)
30a	Input from positive terminal of battery 1
31	Battery negative
31b	Battery negative via switch or relay (negative switching)
31a	Series parallel battery switch, 12 / 24V return line to negative terminal of battery 1
31c	Return line to negative terminal of battery
32	Return line
33	Main terminal connection
33a	Self parking switch off
33b	Shunt field
33f	For second lower speed range
33g	For third lower speed range
33h	For fourth lower speed range
33L	Counter-clockwise rotation
33R	Clockwise rotation
45	Separate starter relay, output, starter, input (main current)
49	Turn signal input

Terminal No.	Circuit
49a	Turn signal output
49b	Second turn signal output
49c	Third turn signal output (trailer control circuit)
50	Solenoid control
50a	Series parallel battery switch output for starter solenoid
50b	Starter solenoid control parallel operation or two starters with sequential control
50c	Input at starting relay for one starter solenoid
50d	Input at starting relay for second starter solenoid
51	DC voltage at rectifier
52	Additional signals from trailer to towing vehicle or second trailer.
53	Wiper motor input (+)
53a	Wiper self parking switch
53b	Wiper shunt winding
53c	Windshield washer pump
53e	Wiper brake winding
53i	Permanent magnet wiper motor with third brush for high speed
54	For trailer signals plug connection
54g	Pneumatic valve continuous brake in trailer (solenoid control)
55	Fog lamps
56	Head lamp output from switch to dimmer switch
56a	High beam output
56b	Low beam output
56d	Head lamps flasher terminal
57	Side marker lamp
58	Parking lamp, tail lamp, licence plate lamps and instrumental panel lamps
58b	Tail lamp changeover for two wheel tractors




Terminal No.	Circuit
58c	Trailer plug and socket for single tail lamp cable fuse.
58d	Variable intensity panel lamps and side marker lamps
58L	Left side (drivers side) side marker
58R	Right hand side (passengers side) side marker
59	AC output (rectifier input)
61	Charging indicator lamp
71	Tone sequence control unit input
71a	Output to horn (low) Output to horn (high)
72	Rotating beacon/alarm switch
75	Cigarette lighter/radio input
76	Loudspeaker
77	Door valve control output
81a	Changeover switch N/C first output break side
81b	Changeover switch N/C second output break side
82	Switch N/O, input
82a	Switch N/O, 1st output
82b	Switch N/O, 2nd output
85	Relay winding negative end
86	Relay winding positive end
87	Relay output
87a	Changeover relay first output (closed)
87b	N/O relay with double contact and second output
88	Relay contact to make contact input
88a	Relay contact to make first output (changeover)
88b	Relay contact to make second output (changeover)

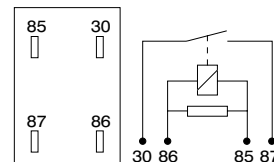


## ACX1988

### Micro Relay Normally Open

Normally open contacts  
4 pin  
GM applications




	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A
	<b>TERMINALS</b> 4

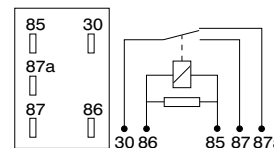


## ACX1989

### Micro Relay Change Over

Change over contacts  
5 pin  
GM applications

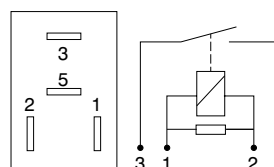
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30/30A
	<b>TERMINALS</b> 5



## Micro Relay Normally Open

Standard normally open contacts, resistor protected, blade terminals

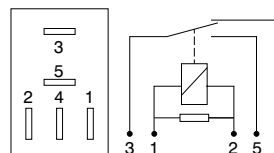
Part No.	Volts	Amps	Terminals
ACX1980BL	12V	20A	4
ACX1982BL	24V	15A	4



## Micro Relay Change Over

Change over contacts, resistor protected, blade terminals




Part No.	Volts	Amps	Terminals
ACX1981BL	12V	25/10A	5
ACX1983BL	24V	25/10A	5

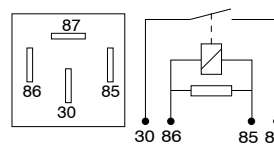


## ACX1939RBL

### Mini Relay Normally Open

Standard normally open contacts  
4 pin  
Resistor protected  
Blade terminals  
Removable mounting tab




	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 40A
	<b>TERMINALS</b> 4

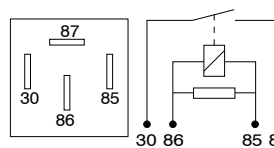


## ACX1966RBL

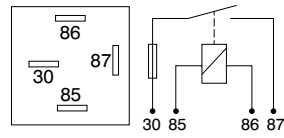
### Mini Relay Normally Open Reverse Pins

Standard normally open contacts  
4 pin  
Resistor protected  
Removable mounting tab  
Reversed 30/86 pins

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 40A
	<b>TERMINALS</b> 4



**OEX**



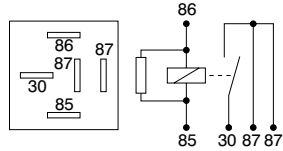
### ACX1994BL

#### Mini Relay Normally Open

Standard normally open contacts  
4 pin  
Fuse protected  
Blade terminals  
Removable mounting tab

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A
	<b>TERMINALS</b> 4

**THUNDER**  
*Connection to your Headland Escape*



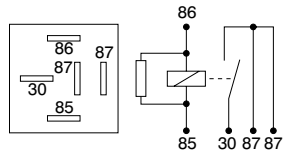
### TDR11050

#### Mini Relay Normally Open

Standard normally open contacts  
5 pin  
Blade terminals  
Removable mounting tab

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 40A
	<b>TERMINALS</b> 5

**OEX**

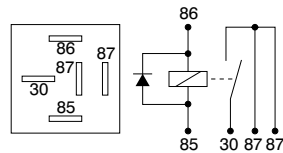


### Mini Relay Normally Open

Standard normally open contact, resistor protected, blade terminals, removable mounting tab

Part No.	Volts	Amps	Terminals
<b>ACX1940RBL</b>	12V	40A	5
<b>ACX1940RB</b>	12V (20 pack)	40A	5
<b>ACX1942RBL</b>	24V	40A	5

**OEX**

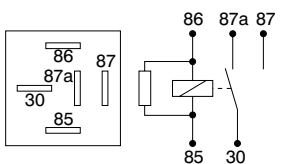


### Mini Relay Normally Open

Standard normally open contact, diode protected, blade terminals, removable mounting tab

Part No.	Volts	Amps	Terminals
<b>ACX1940DBL</b>	12V	40A	5
<b>ACX1942DBL</b>	24V	40A	5

**THUNDER**  
*Connection to your Headland Escape*



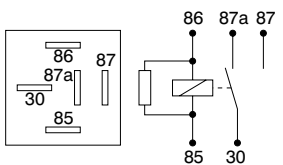
### TDR11051

#### Mini Relay Change Over

Change over contacts  
5 pin  
Resistor protected  
Blade terminals  
Removable mounting tab

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30/40A
	<b>TERMINALS</b> 5

**OEX**



### Mini Relay Change Over

Change over contacts, resistor protected, blade terminals, removable mounting tab

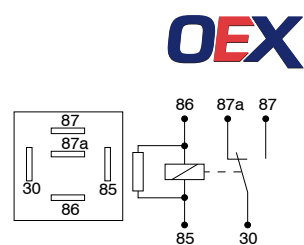
Part No.	Volts	Amps	Terminals
<b>ACX1941RBL</b>	12V	30/40A	5
<b>ACX1943RBL</b>	24V	30/40A	5

## ACX1938RBL

### Mini Relay Change Over Reverse Pins

Change over contacts  
5 pin  
Resistor protected  
Blade terminals  
Removable mounting tab  
Reversed 30/86 pins

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 40/30A
	<b>TERMINALS</b> 5

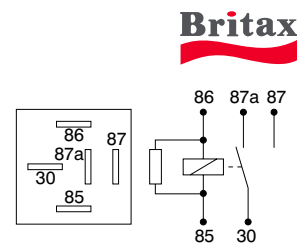


## RC-1260RBX

### Mini Relay Change Over

Change over contacts  
5 pin  
Resistor protected  
Blade terminals  
Removable mounting tab

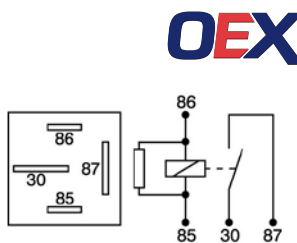
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 60/80A
	<b>TERMINALS</b> 5



## Mini Relay Normally Open

Standard normally open contact, resistor protected, blade terminals, moulded mounting tab, 87 & 30 pin = 9.5mm

Part No.	Volts	Amps	Pins	Terminals
ACX1944RBL	12V	70A	4	4
ACX1945RBL	24V	50A	4	4

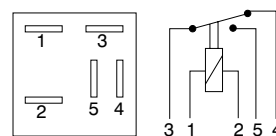


## ACX1931BL

### Mini Relay Change Over

Change over contacts  
5 pin  
To suit Isuzu applications  
Blade terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A
	<b>TERMINALS</b> 5

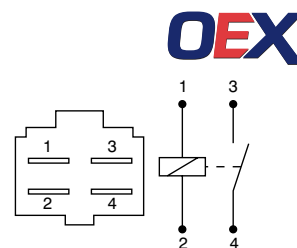


## ACX1990

### Mini Relay Normally Open

Normally open contacts  
4 pin  
Japanese configuration

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A
	<b>TERMINALS</b> 4

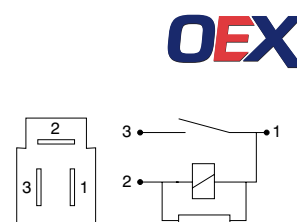


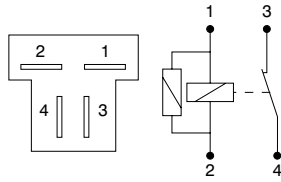
## ACX1986

### Mini Relay Normally Open

Normally open contacts  
3 pin  
Continuous duty  
Fitted with suppression resistor to give some protection against voltage spikes

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 22A
	<b>TERMINALS</b> 3



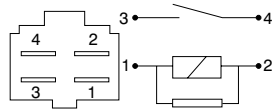


### ACX1987

#### Mini Relay Normally Closed

Normally closed contacts  
 4 pin  
 Continuous duty  
 Fitted with suppression resistor to give some protection against voltage spikes

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A
	<b>TERMINALS</b> 4



### ACX1984

#### Mini Relay Normally Open

Normally open contacts  
 4 pin  
 Continuous duty  
 Fitted with suppression resistor to give some protection against voltage spikes

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 22A
	<b>TERMINALS</b> 4



### ACX1997

#### Mini Relay Base Pack

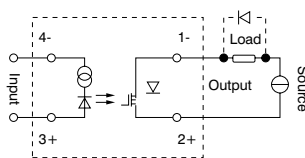
Suitable for 4 or 5 pin mini relays  
 Locking device allows multiple mounting  
 Includes terminals  
 10 sockets per pack



### TDR11052

#### Relay Base

Suitable for 4 or 5 pin mini relays  
 Locking device allows multiple mounting  
 Includes terminals

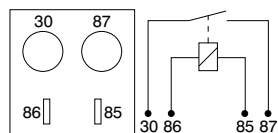


### 570-HFS33/D

#### Solid State Relay

Normally open contacts  
 4 pin  
 Diode protected  
 Screw terminals

	<b>VOLTAGE</b> 3 to 32V
	<b>AMPS</b> 100A
	<b>TERMINALS</b> 4



### ACX2030

#### Heavy Duty Relay Normally Open



Normally open relay  
 2 brass studs 6.3mm (1/4)  
 Push on coil terminals  
 Moulded mounting bracket

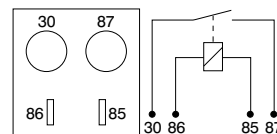
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A

## ACX2031

### Heavy Duty Relay Normally Open

Normally open relay  
2x brass studs 6.3mm (1/4")  
Push on coil terminals  
Moulded mounting bracket



	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 60A

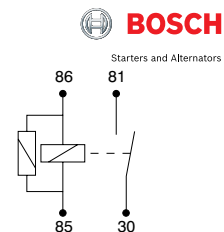


## 0332002258

### Power Relay

4 pin  
2x screw terminals  
2x blade terminals

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 50A





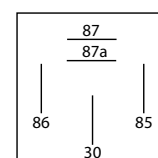
Starters and Alternators

## CR1224L

### Latching Relay

5 pin  
Output remains on until next input signal (first input latch on, second input latch off)  
10A maximum load  
Negative earth

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 10A





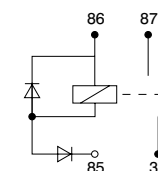
THE POWER OF

## 0332002156

### Battery Cut Off Relay

4 pin  
2x screw terminals  
2x blade terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 75





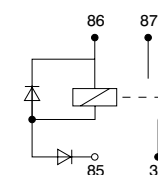
Starters and Alternators

## 0332002256

### Battery Cut Off Relay

4 pin  
2x screw terminals  
2x blade terminals

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 50






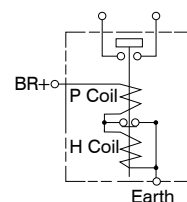
Starters and Alternators

## ACX2045

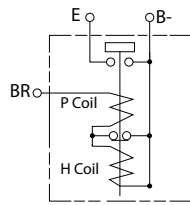
### Battery Relay Normally Open

Normally open contacts  
3 pin  
To suit Komatsu application

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 40A
	<b>TERMINALS</b> 3





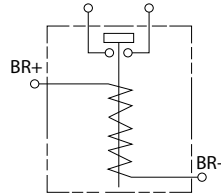


## ACX2043

### Battery Relay

Normally open contacts  
3 pin  
To suit Isuzu trucks 1962-1968  
Replaces Part No. 8279-0008, 8279-0018, 8279-0021  
8279-0033, 8279-0043

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 120A
	<b>TERMINALS</b> 3

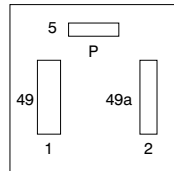


## ACX2041

### Battery Relay

Normally open contacts  
4 pin  
To suit 24V Nissan UD diesel applications <1973  
24V Isuzu buses and trucks <1973  
Replaces Part No. 8255-0008, 8255-0108, 8255-0009,  
8255-0109, BS-232

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 35A
	<b>TERMINALS</b> 4

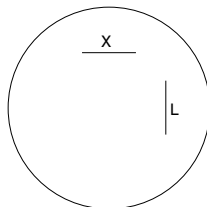


## TDR11055

### Flasher Relay

Blade terminals  
To suit LED indicator lights

	<b>VOLTAGE</b> 12V
	<b>TERMINALS</b> 3
	<b>WATTS</b> 30W Max

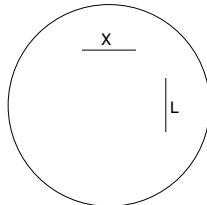


## TDR11053

### Flasher Relay

Magnetic type  
Non-polarised  
To suit universal applications  
Maximum load: 21-23W per globe  
Max 6 globes

	<b>VOLTAGE</b> 12V
	<b>TERMINALS</b> 2
	<b>WATTS</b> 126W Max

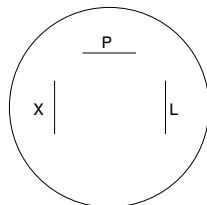


## ACX2011BL

### Flasher Relay

Magnetic type  
Non-polarised  
To suit universal applications  
Maximum load: 21-23W per globe  
Max 6 globes

	<b>VOLTAGE</b> 24V
	<b>TERMINALS</b> 2
	<b>WATTS</b> 126W Max



## TDR11054

### Flasher Relay




Magnetic type  
Non-polarised  
To suit universal applications  
Maximum load: 21-23W per globe  
Max 6 globes

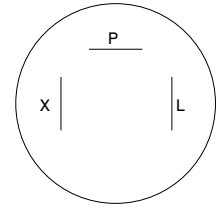
	<b>VOLTAGE</b> 12V
	<b>TERMINALS</b> 3
	<b>WATTS</b> 126W Max

## ACX2013BL

### Flasher Relay

Magnetic type  
 Non-polarised  
 To suit universal applications  
 Maximum load: 21-23W per globe  
 Max 6 globes




	<b>VOLTAGE</b> 24V
	<b>TERMINALS</b> 3
	<b>WATTS</b> 126W Max

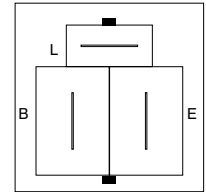
**OEX**

## ACX2014BL

### Electronic Flasher Relay

Load sensitive  
 To suit Japanese manufactured vehicles  
 23W x 2 + 8W + 3.4W @12.8V 85cm  
 Maximum load 108W (hazard circuit)




	<b>VOLTAGE</b> 12V
	<b>TERMINALS</b> 3
	<b>WATTS</b> 108W

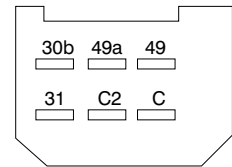
**OEX**

## ACX2019BL

### Flasher Relay

Load sensitive  
 To suit universal applications  
 3x 21W globes + 1x 5W pilot lamp  
 Maximum load 130W (hazard circuit)

	<b>VOLTAGE</b> 24V
	<b>TERMINALS</b> 6
	<b>WATTS</b> 130W Max

**OEX**

## 0925117PH

### Shutdown Relay

Shutdown relay is an electrical load carrying device that accepts switch gauge contact operations and translates it into the operation of the alarm or shutdown device

Normally closed contacts

10A 32V DC, 14A fuse

Opens circuit to run the device and disconnects from power after trip

Magnetic coil is momentarily energised to trip and manual indicating reset button pops out to notify of shutdown

	<b>VOLTAGE</b> 12/24V
---	--------------------------

**murphy**

## 0925518H12

### Shutdown Relay

Shutdown relay is an electrical load carrying device that accepts switch gauge contact operations and translates it into the operation of the alarm or shutdown device

Normally open and closed contacts, 10A 12V DC, 14A fuse

Opens circuit to run the device and disconnects from power to trip allows switch gauge and/or N.C. contacts to be wired

Closed loop (in series) any contact open or switch

Gauge contact close in the circuit shunt trips the reset button

Magnetic coil is momentarily energised



	<b>VOLTAGE</b> 12V
---	-----------------------

**murphy**

## VS12

### Voltage Sense Relay

9-16 volt adjustment range  
 150mm leads  
 Perfect for running a fridge or work lights etc

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 10A

THE POWER OF  
**REDARC**

THE POWER OF  
**REDARC**



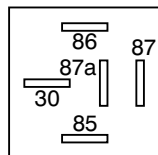
## VS24

### Voltage Sense Relay

18 to 35 volt adjustment range  
150mm leads  
Perfect for running a fridge or tailgate lifter etc

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 10A

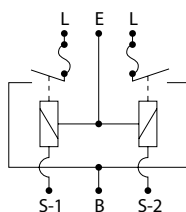
THE POWER OF  
**REDARC**



## Timer Relay Adjustable

Part No.	Description	Volts	Amps	Pins
<b>TIM05</b>	Customised, temporary output at turn on (1-60 seconds)	12 or 24V	10A	5
<b>TIM06</b>	1-60 sec or min, delayed output at turn on (1-60 minutes)	12 or 24V	10A	5

**OEX**



## ACX2034

### Twin Headlight Relay

2x 30A blade fuses  
Each circuit has a maximum current rating of 30A @ 12V when used individually  
When both circuits are used simultaneously the maximum recommended current through each circuit is 15A @ 12V

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A

**OEX**



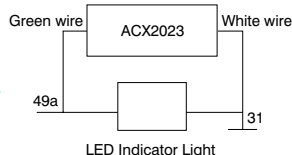
## ACX2440

### Driving Light Wiring Harness

Automatically detects positive or negative switching headlight systems  
Plug and play H4 adaptor plugs that can be removed to suit the other head light connector types  
Kit contains LED toggle switch (12V), relay holder pre-wired, fuse holder with 20A fuse, positive/negative circuit built into harness, harness cable length suitable for most passenger vehicles and 4X4s, detailed fitting instructions  
For 24V applications use ACX1942R relay and ACX3912 drop resistor for LED switch

	<b>VOLTAGE</b> 12V
--	-----------------------

**OEX**

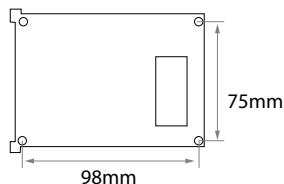


## ACX2023

### Load Resistor

To correct flasher operation on Vehicles that have been retro fitted with LED Lighting Indicator circuit only

**OEX**



## PCX2700

### Safeguard 64 Digital Control



To suit mining, emergency, services and fuel transportation vehicles  
Allows automatic control of pre-set devices inside the cabin of a vehicle warning the operator of a safety breach  
Aimed to simplify, control and warn a driver of problems  
Digital micro controller technology to ensure reliability and performance with automatic control of preset devices inside cabin of vehicle  
Utilising 6 inputs and 4 outputs  
Automatically warn a driver that the hand brake is not on, can turn on DRLs as a preset function, turn beacons on and more

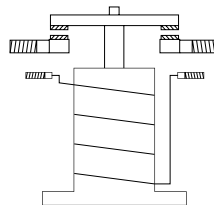
	<b>VOLTAGE</b> 12/24V
	<b>AMPS</b> 10A
	<b>TERMINALS</b> 18

**ACX3302**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

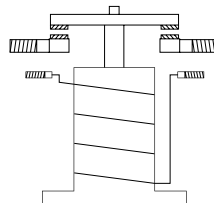
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 80A

**24059BX**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

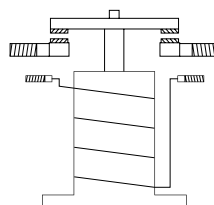
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 85A

**M24117BX**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Waterproof PVC coated housing

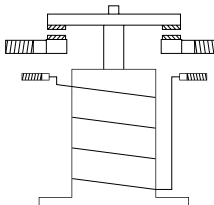
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 85A

**ACX3304**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

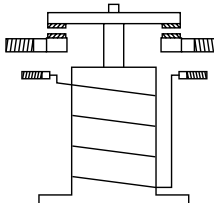
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 90A

**ACX3322**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: silver alloy  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

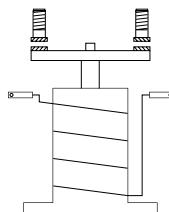
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A

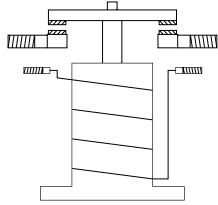
**24612-10BX**

## Continuous Duty Solenoid

Terminal type: copper  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Glass nylon housing

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A



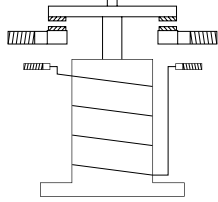


## 24200BX

### Continuous Duty Latching Solenoid

Terminal type: copper  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Energize on - energize off  
 No heat generated as coil is taken out of circuit

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 110A

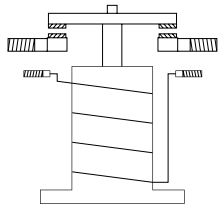


## ACX3370

### Continuous Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 150A

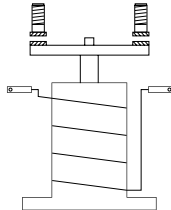


## 24143BX

### Continuous Duty Solenoid

Terminal type: copper  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 200A

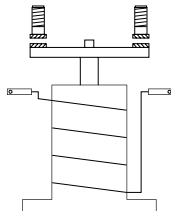


## 24812BX

### Continuous Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: Yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Glass filled nylon construction

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 225A

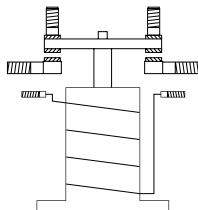


## GV200BA

### Continuous Duty Solenoid

Terminal type: stainless steel  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: M10  
 Coil terminal: wired  
 Hermetically sealed IP67 rated

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 400A



## ACX3321

### Continuous Duty Change Over Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Normally open & normally closed contacts

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 60/80A





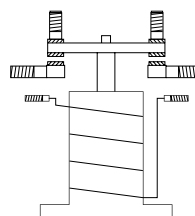


**24401BX**

## Continuous Duty Change Over Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Normally open & normally closed contacts

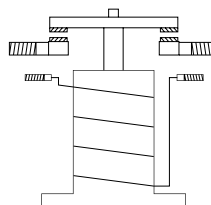
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 35/85A

**24063-08BX**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Waterproof PVC coated housing

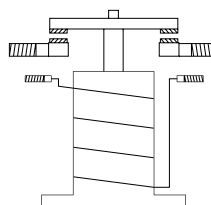
	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 65A

**ACX3306**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

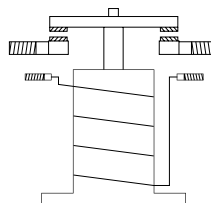
	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 80A

**24063BX**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

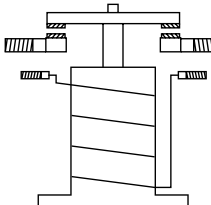
	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 85A

**ACX3324**

## Continuous Duty Solenoid



Terminal type: copper  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

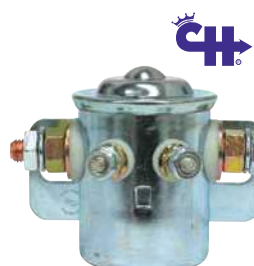
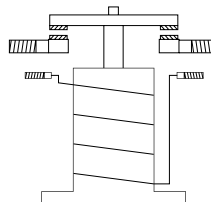
	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 100A

**24144BX**

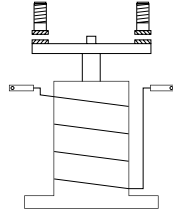
## Continuous Duty Solenoid

Terminal type: copper  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 200A



GIGAVAC®

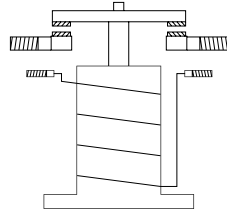
**GV200CA**

## Continuous Duty Solenoid

Terminal type: stainless steel  
 Contact type: silver  
 Insulated contacts: yes  
 Stud terminal: M10  
 Coil terminal: wired  
 Hermetically sealed IP67 rated

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 400A

CH®

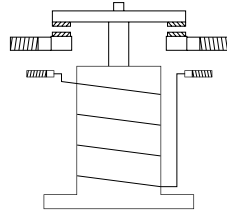
**24402BX**

## Continuous Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Normally open & normally closed contacts

	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 35/85A

CH®

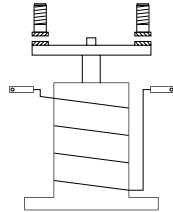
**24080BX**

## Continuous Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

	<b>VOLTAGE</b> 36V
	<b>AMPS</b> 85A

OEX®

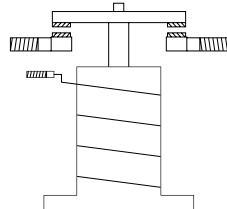
**ACX3345**

## Intermittent Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32  
 Glass nylon housing  
 Fitted with ignition ballast terminal

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 80A

CH®

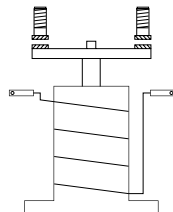
**24037BX**

## Intermittent Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A

CH®

**24512-10BX**

## Intermittent Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 1/4"  
 Coil terminal: spade  
 Glass nylon housing



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 100A

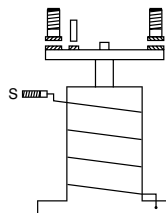


**ACX3340**

## Intermittent Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: spade  
 Lucas style

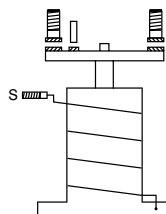
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 140A

**ACX3344**

## Intermittent Duty Solenoid



Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32

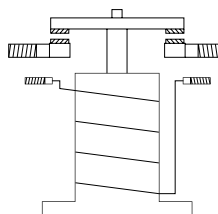
	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 150A

**24008BX**

## Intermittent Duty Solenoid

Terminal type: copper  
 Contact type: copper  
 Insulated contacts: yes  
 Stud terminal: 5/16-24"  
 Coil terminal: 10-32



	<b>VOLTAGE</b> 24V
	<b>AMPS</b> 120A

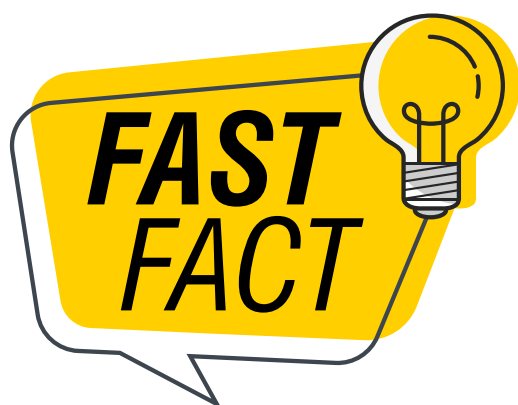
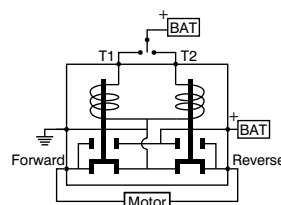
**24450BX**

## Motor Reversing Solenoid

Terminal type: copper  
 Contact type: copper  
 Stud terminal: 5/16-24"  
 Coil terminal: spade

For reversing motors such as hoists and winches. Two integral solenoids provide dynamic braking for permanent magnet motors when neither coil is energized.

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 75A

**Question**

**Can a continuous duty solenoid be used as a starter solenoid, or is an intermittent solenoid the preferred option?**

**Answer**

A continuous duty solenoid can be used as a starter solenoid but it is not recommended. The better option would be to use an intermittent duty solenoid. An intermittent duty solenoid has a higher coil current which assists the contacts 'pull in' harder and more quickly. This will reduce the contacts burning from the arcing due to the high current draw of the starter solenoid

**OEX****ACX3329**

Shut Down Solenoid Flange Mount

Voltage	Hold Current	Hold Rating	Pull Current	Pull Rating
12V	0.975A	3.72Kg/cm <sup>2</sup>	36.6A	1Kg/cm <sup>2</sup>

**OEX****0940RP2307**

Shut Down Solenoid 2 Bolt Base Mount

Voltage	Hold Current	Hold Rating	Pull Current	Pull Rating
12V	1.5A	10.4Kg/cm <sup>2</sup>	52A	4.98Kg/cm <sup>2</sup>

**OEX****ACX3338**

Shut Down Solenoid Flange Mount

Model - 1751

Voltage	Hold Current	Hold Rating	Pull Current	Pull Rating
12V	1.1A	17.2Kg/cm <sup>2</sup>	46A	10.9Kg/cm <sup>2</sup>

**OEX****Shut Down Solenoid Flange/Base Mount**

Model - 1504

Part No.	Voltage	Hold Current	Hold Rating	Pull Current	Pull Rating
<b>ACX3330</b>	12V	0.76A	8.6Kg/cm <sup>2</sup>	41A	5.4Kg/cm <sup>2</sup>
<b>ACX3331</b>	24V	0.36A	8.6Kg/cm <sup>2</sup>	22A	5.4Kg/cm <sup>2</sup>

**OEX****Shut Down Solenoid 2 Bolt Base Mount**

Model - 1751

Part No.	Voltage	Hold Current	Hold Rating	Pull Current	Pull Rating
<b>ACX3332</b>	12V	1.1A	17.2Kg/cm <sup>2</sup>	46A	10.9Kg/cm <sup>2</sup>
<b>ACX3333</b>	24V	0.5A	17.2Kg/cm <sup>2</sup>	25A	10.9Kg/cm <sup>2</sup>

**OEX****Shut Down Solenoid 4 Bolt Base Mount**

Model - 2003

Part No.	Voltage	Hold Current	Hold Rating	Pull Current	Pull Rating
<b>ACX3334</b>	12V	0.8A	23.1Kg/cm <sup>2</sup>	60A	11.8Kg/cm <sup>2</sup>
<b>ACX3335</b>	24V	0.4A	23.1Kg/cm <sup>2</sup>	37A	11.8Kg/cm <sup>2</sup>

## Engine Shut Down Solenoid 4 Bolt Base Mount

Model - 2370

Part No.	Voltage	Hold Current	Hold Rating	Pull Current	Pull Rating
ACX3336	12V	1.7A	39.9Kg/cm <sup>2</sup>	58A	16.8Kg/cm <sup>2</sup>
ACX3337	24	0.6A	39.9Kg/cm <sup>2</sup>	31A	16.8Kg/cm <sup>2</sup>



OEX

## ACX3352

Shut Down Solenoid Boot

Suits: ACX3330 to ACX3338



OEX

## ACX3353

Shut Down Solenoid Clevis Yoke

1/4-28 thread

For use in custom designed linkage assemblies



OEX

## ACX3354

Shut Down Solenoid Swivel Joint

1/4-28 thread

Compensates for possible misalignment  
between rigid linkage and solenoid plunger



OEX

## ACX3355

Shut Down Solenoid Yoke & Chain

1/4-28 thread

Used whenever a flexible connection is required  
e.g. pulling throttle lever



OEX



INTELLI-RV

# Introducing a genuine 'All-In-One' Power Management System For RVs

Projecta's award-winning Intelli-RV range offers a comprehensive power management solution to suit caravans and recreational vehicles, providing easier, safer installation and battery/solar management. Within the range are four different kits offering customers a variety of features to suit their application and requirements.



PM400 displayed

- Comprehensive power management systems for RVs, caravans and campers
- Choose from four models for a variety of applications and features
- Simple wiring to central unit eliminates messy junctions, with 10-14 outputs
- 35A Power Supply, 20A charging
- 100A VSR\* and a host of safety features
- 30A Solar Controller (full MPPT for PM300/400, PWM for PM200)
- Remote display with pump/load switches and water/battery monitoring (excludes PM100)
- Bluetooth® connectivity and dimmable light switches (PM400 only) 

See the full range at  
[www.projecta.com.au/intelli-rv](http://www.projecta.com.au/intelli-rv)

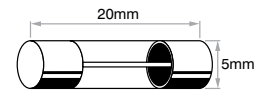
\*100A for 30mins, 60A continuous.

**PROJECTA**  
more switched on

## Electronic Glass Fuses

M205 slow blow fuse

Part No.	Amps (A)	Length (mm)	Pack Qty
ACX1532	0.5	20	10
ACX1533	1	20	10
ACX1534	2	20	10
ACX1535	3	20	10
ACX1536	5	20	10
ACX1537	6.3	20	10
ACX1538	10	20	10

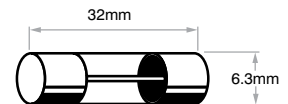


**OEX**

## Glass Fuses 3AG

Soldered end

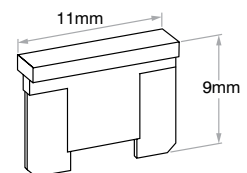
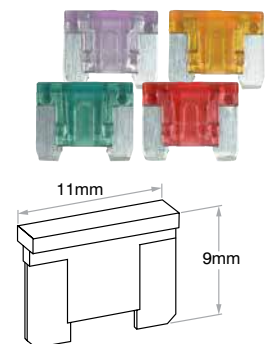
Part No.	Amps (A)	Length (mm)	Pack Qty
ACX1517BL	1	32	10
ACX1518BL	2	32	10
ACX1519BL	3	32	10
ACX1520BL	5	32	10
ACX1521BL	8	32	10
ACX1522BL	10	32	10
ACX1523BL	15	32	10
ACX1524BL	20	32	10
ACX1525BL	25	32	10
ACX1526BL	30	32	10
ACX1527BL	35	32	10
ACX1528BL	50	32	10

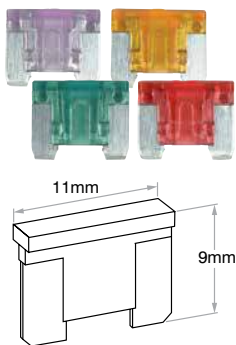


**THUNDER**  
Connection is your lifeline. Every.

## Low Profile Mini Fuses

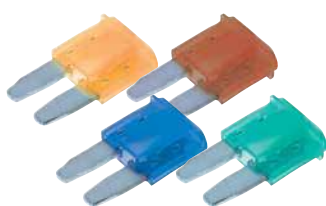
Part No.	Colour	Amps (A)	Pack Qty
TDR05010	Violet	3	5
TDR05011	Tan	5	5
TDR05012	Brown	7.5	5
TDR05013	Red	10	5
TDR05014	Blue	15	5
TDR05015	Yellow	20	5
TDR05016	White	25	5
TDR05017	Green	30	5
TDR05018	Assorted	1x 5A, 1x 10A, 1x 15A 1x 20A, 1x 25A	5





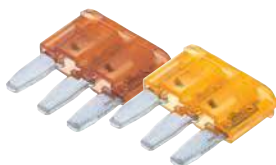
### Low Profile Mini Fuses

Part No.	Colour	Amps (A)	Pack Qty
ACX1640	Violet	3	50
ACX1641	Tan	5	50
ACX1642	Brown	7.5	50
ACX1643	Red	10	50
ACX1644	Blue	15	50
ACX1645	Yellow	20	50
ACX1646	White	25	50
ACX1647	Green	30	50



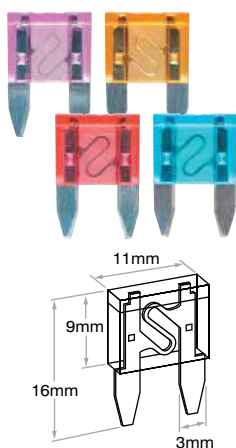
### Micro 2 Blade Fuse

Part No.	Colour	Amps (A)	Pack Qty
ACX1660	Tan	5	10
ACX1661	Brown	7.5	10
ACX1662	Red	10	10
ACX1663	Blue	15	10
ACX1664	Yellow	20	10
ACX1665	White	25	10
ACX1666	Green	30	10



### Micro 3 Blade Fuse

Part No.	Colour	Amps (A)	Pack Qty
ACX1667	Tan	5	10
ACX1668	Brown	7.5	10
ACX1669	Red	10	10
ACX1670	Blue	15	10

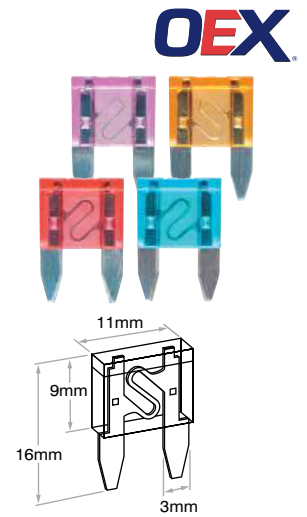


### Mini Blade Fuses

Part No.	Colour	Amps (A)	Pack Qty
TDR05019	Violet	3	5
TDR05020	Tan	5	5
TDR05021	Brown	7.5	5
TDR05022	Red	10	5
TDR05023	Blue	15	5
TDR05024	Yellow	20	5
TDR05025	White	25	5
TDR05026	Green	30	5
TDR05027	Assorted	1x 5A, 1x 10A, 1x 15A 1x 20A, 1x 25A	5

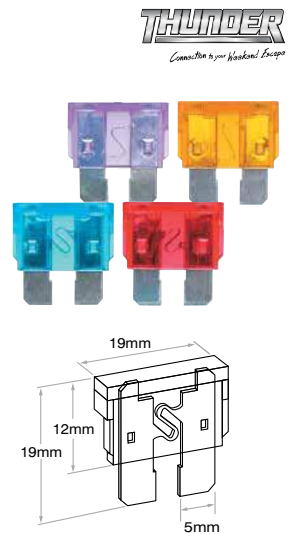
## Mini Blade Fuses

Part No.	Colour	Amps (A)	Pack Qty
ACX1650	Violet	3	100
ACX1651	Tan	5	100
ACX1652	Brown	7.5	100
ACX1653	Red	10	100
ACX1654	Blue	15	100
ACX1655	Yellow	20	100
ACX1656	White	25	100
ACX1657	Green	30	100



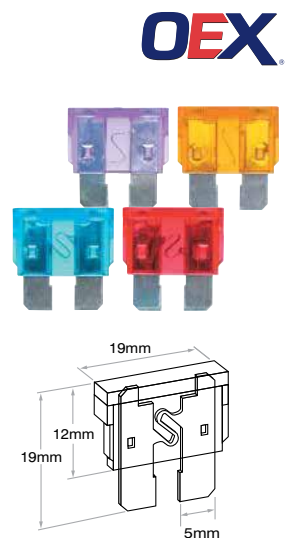
## Standard Blade Fuses

Part No.	Colour	Amps (A)	Pack Qty
TDR05000	Violet	3	5
TDR05001	Tan	5	5
TDR05002	Brown	7.5	5
TDR05003	Red	10	5
TDR05004	Blue	15	5
TDR05005	Yellow	20	5
TDR05006	White	25	5
TDR05007	Green	30	5
TDR05008	Orange	40	5
TDR05009	Assorted	1x 5A, 1x 15A, 2x 20A, 1x 30A	5

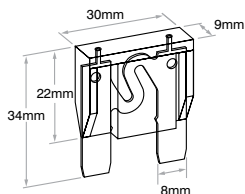
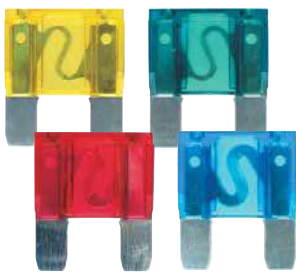


## Standard Blade Fuses

Part No.	Colour	Amps (A)	Pack Qty
ACX1600	Violet	3	100
ACX1601	Tan	5	100
ACX1602	Brown	7.5	100
ACX1603	Red	10	100
ACX1604	Blue	15	100
ACX1605	Yellow	20	100
ACX1606	White	25	100
ACX1607	Green	30	100
ACX1608BL	Purple	35	10
ACX1608	Purple	35	100
ACX1609	Orange	40	100

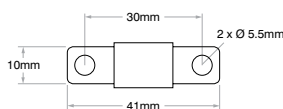






## Maxi Blade Fuses

Part No.	Colour	Amps (A)	Pack Qty
ACX1625BL	Yellow	20	1
ACX1625	Yellow	20	10
ACX1626BL	Green	30	1
ACX1626	Green	30	10
ACX1633	Pink	35	10
ACX1627BL	Orange	40	1
ACX1627	Orange	40	10
ACX1628BL	Red	50	1
ACX1628	Red	50	10
ACX1629BL	Blue	60	1
ACX1629	Blue	60	10
ACX1630BL	Brown	70	1
ACX1630	Brown	70	10
ACX1631BL	White	80	1
ACX1631	White	80	10
ACX1632BL	Violet	100	1
ACX1632	Violet	100	10



## Midi Fuses - Bolt On

32V DC  
 Copper tin plated  
 Type: SF30  
 Fuse element window  
 Mounting: centre to centre 30mm

Part No.	Amps (A)	Pack Qty
ACX6502BL	23	1
ACX6503BL	30	1
ACX6503	30	10
ACX6504BL	40	1
ACX6504	40	10
ACX6505BL	50	1
ACX6505	50	10
ACX6506BL	60	1
ACX6506	60	10
ACX6507	70	10
ACX6508BL	80	1
ACX6508	80	10
ACX6510BL	100	1
ACX6510	100	10
ACX6511	125	10
ACX6512BL	150	1
ACX6512	150	10
ACX6513BL	200	1



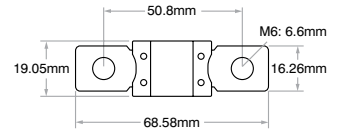
# Mega Fuses - Bolt On

32VDC

Copper tin plated

Type: SF51

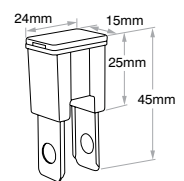
Mounting: centre to centre 50.8mm



Part No.	Amps (A)	Pack Qty
ACX6518BL	40	1
ACX6518	40	5
ACX6519BL	60	1
ACX6519	60	5
ACX6520BL	80	1
ACX6520	80	5
ACX6521BL	100	1
ACX6521	100	5
ACX6523BL	150	1
ACX6523	150	5
ACX6525BL	200	1
ACX6525	200	5
ACX6527BL	250	1
ACX6527	250	5
ACX6528BL	300	1
ACX6528	300	5
ACX6529BL	500	1
ACX6529	500	5

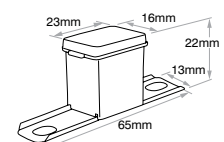
# Fusible Links - Male

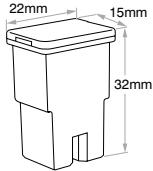
Part No.	Colour	Amps (A)	Pack Qty
ACX1764BL	Yellow	60	1
ACX1764	Yellow	60	12
ACX1765BL	Brown	70	1
ACX1766BL	Black	80	1
ACX1766	Black	80	12
ACX1767BL	Blue	100	1
ACX1767	Blue	100	12



# Fusible Links - L Type

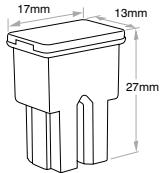
Part No.	Colour	Amps (A)	Pack Qty
ACX1773BL	Red	50	1
ACX1774	Yellow	60	12
ACX1775BL	Brown	70	1
ACX1777BL	Blue	100	1
ACX1777	Blue	100	12





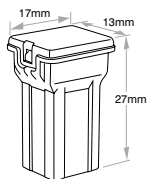
### Fusible Links - Female

Part No.	Colour	Amps (A)	Pack Qty
ACX1750BL	White	20	1
ACX1751BL	Pink	30	1
ACX1751	Pink	30	12
ACX1752BL	Green	40	1
ACX1752	Green	40	12
ACX1780BL	Red	45	1
ACX1753BL	Red	50	1
ACX1753	Red	50	12
ACX1754BL	Yellow	60	1
ACX1754	Yellow	60	12
ACX1755BL	Brown	70	1
ACX1756	Black	80	12



### Fusible Link - Mini Female

Part No.	Colour	Amps (A)	Pack Qty
ACX1785BL	White	20	1
ACX1795BL	Brown	25	1
ACX1796BL	Green	30	1
ACX1786BL	Pink	30	1
ACX1787BL	Green	40	1
ACX1788BL	Red	50	1
ACX1789BL	Yellow	60	1
ACX1791BL	Black	80	1
ACX1792BL	Blue	100	1

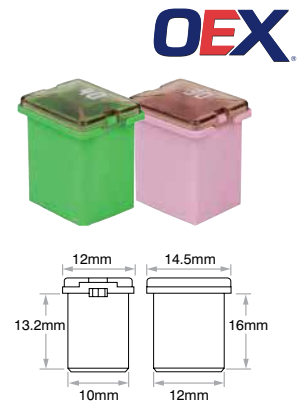


### Fusible Link - Mini Female Type 1

Part No.	Colour	Amps (A)	Pack Qty
ACX1800BL	Light blue	20	1
ACX1801BL	Pink	30	1
ACX1801	Pink	30	12
ACX1802BL	Green	40	1
ACX1802	Green	40	12
ACX1803	Red	50	12
ACX1804BL	Yellow	60	1
ACX1804	Yellow	60	12
ACX1807BL	Blue	100	1

## Fusible Link - J-Case Female

Part No.	Colour	Amps (A)	Pack Qty
ACX1814	Blue	20	5
ACX1815	Pink	30	5
ACX1816	Green	40	5
ACX1817	Red	50	5
ACX1819	Yellow	60	5
ACX1818	Various	2x 20A, 2x 30A, 2x 40A, 2x 50A, 2x 60A	10



## Fusible Link - M-Case Mini Female Low Profile

Part No.	Colour	Amps (A)	Pack Qty
ACX1808	Grey	15	4
ACX1809	Blue	20	4
ACX1810	White	25	4
ACX1811	Pink	30	4
ACX1812	Green	40	4



## ACX1731

### Mixed Fuse Assortment Kit

This assortment contains 360 popular fuses ranging from glass to blade type all in a premium plastic case

All parts are labelled on the lid for easy re-ordering

<b>Kit contains:</b>	40x ACX1604	20x ACX1606
	20x ACX1550	20x ACX1520
	20x ACX1523	20x ACX1525
	20x ACX1603	20x ACX1605
	20x ACX1551	20x ACX1607
	20x ACX1524	20x ACX1522
	20x ACX1526	20x ACX1602

	<b>AMPS</b> Various
	<b>FUSE TYPE</b> Ceramic Glass 3AG Standard Blade
	<b>PACK QTY.</b> 340



## ACX1730

### Mini Blade Fuse Assortment Kit

This assortment contains a selection of mini blade fuses all in a premium plastic case

Also included in the kit, a fuse puller and fuse holder

All parts are labelled on the lid for easy re-ordering

<b>Kit contains:</b>	10x ACX1653	10x ACX1654
	1x ACX1712 and	10x ACX1655
	fuse puller	10x ACX1652
	10x ACX1656	10x ACX1650

	<b>AMPS</b> Various
	<b>FUSE TYPE</b> Mini Blade
	<b>PACK QTY.</b> 82



## ACX1732

### Standard & Mini Fuse Assortment Kit

This assortment contains 280 popular mini blade and blade fuses all in a premium plastic case

All parts are labelled on the lid for easy re-ordering

<b>Kit contains:</b>	20x ACX1605	20x ACX1607
	10x ACX1650	10x ACX1654
	10x ACX1656	20x ACX1602
	40x ACX1604	20x ACX1606
	10x ACX1651	20x ACX1609
	10x ACX1657	10x ACX1655
	20x ACX1601	20x ACX1603

	<b>AMPS</b> Various
	<b>FUSE TYPE</b> Mini Blade Standard Blade Maxi Blade
	<b>PACK QTY.</b> 280





## ACX1734

### LP Mini Fuse Assortment Kit

This assortment contains a total of 120 mini fuses  
1 fuse puller and fusible links all in a premium plastic case  
All parts are labelled on the lid for easy re-ordering

<b>Kit Contains:</b>	15x ACX1640	15x ACX1647
1 x Fuse Puller	15x ACX1641	15x ACX1644
15x ACX1642	15x ACX1645	
15x ACX1643	15x ACX1646	

	<b>AMPS</b> Various
	<b>FUSE TYPE</b> Low Profile Mini
	<b>PACK QTY.</b> 120



## ACX1733

### Fuse & Link Assortment Kit

This assortment contains a total of 68 mini blade, maxi blade and fusible links all in a premium plastic case  
All parts are labelled on the lid for easy re-ordering

<b>Kit contains:</b>	5x ACX1657	2x ACX1764	2x ACX1627
5x ACX1650	2x ACX1631	5x ACX1653	2x ACX1754
5x ACX1656	2x ACX1761	2x ACX1626	2x ACX1767
2x ACX1629	5x ACX1652	2x ACX1752	5x ACX1655
2x ACX1757	2x ACX1625	2x ACX1766	2x ACX1628
5x ACX1651	2x ACX1751	5x ACX1654	

	<b>AMPS</b> Various
	<b>FUSE TYPE</b> Mini Blade Standard Blade Fuseable Links
	<b>PACK QTY.</b> 68



## ACX6514

### Midi Single Fuse Holder 250A

Type: SF30  
Max current rating: 250A  
Rated voltage: 1-32V  
Stainless steel studs  
Mount centre to centre: 30mm  
Temperature: -40°C to +120°C

	<b>AMPS</b> 250A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



## ACX6515

### Midi Twin Fuse Holder Panel 200A

Type: SF30  
Max current rating: 200A  
Rated voltage: 1-32V  
Stainless steel studs  
Mount centre to centre: 30mm  
Housing material: PA6-GF30  
Short term temperature: 180°C for 2 mins

	<b>AMPS</b> 200A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1



## FK40

### 40A Midi Fuse Kit 4 Pack

Kit contains fuses, fuse holder & lugs  
2x fuse holders  
4x 40A midi fuse  
4x lugs

	<b>AMPS</b> 40A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1



## FK60

### 60A Mini Fuse Kit 4 Pack

Kit contains fuses, fuse holder & lugs  
2x fuse holders  
4x 60A midi fuse  
4x lugs



	<b>AMPS</b> 60A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1



## ACX6530

### Mega Fuse Holder Panel Mount

Type: SFI  
 Stainless steel studs  
 Housing material: PA6-GF30  
 Short term temperature: 180°C for 2 mins  
 Long term temperature: 100°C for 30 mins

	<b>AMPS</b> 500A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



## ACX6531

### Mega Fuse Holder Panel Mount

Type: SFI  
 Stainless steel studs  
 Housing material: PA6-GF30  
 Short term temperature: 180°C for 2 mins  
 Long term temperature: 100°C for 30 mins



	<b>AMPS</b> 500A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



## ACX6532

### Mega Fuse Holder with Clips

Type: SFI  
 Stainless steel studs  
 Housing material: PA6-GF30  
 Short term temperature: 180°C for 2 mins  
 Long term temperature: 100°C for 30 mins




	<b>AMPS</b> 500A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



## ACX6533

### Mega Fuse Holder Cable Bush

To suit ACX6532

	<b>AMPS</b> 500A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



## ACX1701

### Glass Fuse Holder Bakelite

Fuse holders to suit 3AG glass fuses  
 Heavy duty inline fuse holder



	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10



## TDR05201

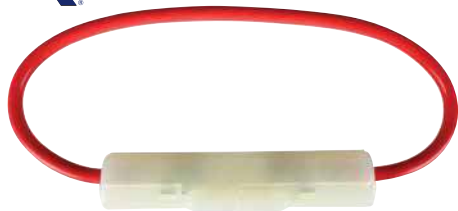
### Glass Fuse Holder Bakelite

Fuse holders to suit 3AG glass fuses  
 Heavy duty inline fuse holder

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1







### ACX1707BL

#### Glass Fuse Holder Clip Lock

Fuse holders to suit 3AG glass fuses  
Clip lock inline fuse holder

	<b>AMPS</b> 20A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



### ACX1700

#### Glass Fuse Holder Push Pull

Fuse holders to suit 3AG glass fuses  
Push pull inline fuse holder

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10

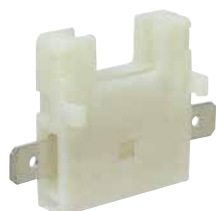


### ACX1715

#### Standard Quick Connect Fuse Holder

Standard blade fuse holders inline scotch lock standard blade fuse holder

	<b>AMPS</b> 20A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10



### ACX1708

#### Standard Blade Inline Fuse Holder

Standard blade fuse holders  
Fitted with 6mm spade connectors

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10



### TDR05204

#### Standard Blade Inline Fuse Holder

Standard blade fuse holders  
Fitted with 6mm spade connectors

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



### ACX1709

#### Standard Blade Inline Fuse Holder

Standard blade fuse holders  
Fitted with 6mm spade connectors  
For use with ACX1718 & ACX1719

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10

## ACX1718

### Standard Blade 3 Gang Track Fuse Holder

Standard blade fuse holders  
 Inline  
 Fitted with 6mm spade connectors

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 3
	<b>PACK QTY.</b> 1



## ACX1719

### Standard Blade 5 Gang Track Fuse Holder

Standard blade fuse holders  
 Inline  
 Fitted with 6mm spade connectors

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 5
	<b>PACK QTY.</b> 1



## ACX1710BL

### Standard Blade Inline Fuse Holder

Standard blade fuse holders  
 Inline

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



## ACX1716BL

### Standard Blade Inline Fuse Holder

Standard blade fuse holders  
 Inline

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



## ACX1711

### Standard Blade Inline Fuse Holder 10 Pack

Standard blade fuse holders  
 Weatherproof  
 Inline  
 Standard blade fuse holder

	<b>AMPS</b> 35A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10



## TDR05207

### Standard Blade Inline Fuse Holder

Standard blade fuse holders  
 Weatherproof  
 Inline  
 Standard blade fuse holder

	<b>AMPS</b> 35A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1





### ACX1711R

#### Standard Blade Inline Fuse Holder Red

Standard blade fuse holders  
Weatherproof  
Inline  
Standard blade fuse holder

	<b>AMPS</b> 35A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10



### ACX1711RBL

#### Standard Blade Inline Fuse Holder Red

Standard blade fuse holders  
Weatherproof  
Inline  
Standard blade fuse holder

	<b>AMPS</b> 35A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



### ACX1717

#### Standard Blade Inline Fuse Holder

Standard blade fuse holders with mounting tab  
Weatherproof  
Inline

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10



### TDR05206

#### Standard Blade Inline Fuse Holder

Standard blade fuse holders with mounting tab  
Weatherproof  
Inline

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1



### ACX1728

#### Standard Blade Inline Fuse Holder

Standard blade fuse holder with mounting tab  
Weatherproof  
Inline  
Unassembled

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 10



### TDR05208

#### Inline Waterproof Fuse Holder

Standard blade fuse holders with mounting tab  
Weatherproof  
Inline

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 1
	<b>PACK QTY.</b> 1

## ACX1712

### Mini Blade Inline Fuse Holder

Maxi blade fuse holder  
Waterproof

 AMPS 35A
 CIRCUITS 1
 PACK QTY. 10




**OEX**

## TDR05211

### Mini Inline Fuse Holder with Cover

Maxi blade fuse holder - waterproof

 AMPS 35A
 CIRCUITS 1
 PACK QTY. 1





**THUNDER**  
*Connection is your Workmate's Edge*

## ACX1713

### Maxi Blade Inline Fuse Holder

Maxi blade fuse holder - waterproof

 AMPS 60A
 CIRCUITS 1
 PACK QTY. 10





**OEX**

## TDR05212

### Maxi Blade Inline Fuse Holder

Maxi blade fuse holder - waterproof

 AMPS 60A
 CIRCUITS 1
 PACK QTY. 1



**THUNDER**  
*Connection is your Workmate's Edge*

## ACX1826

### 6-way 3AG Glass Fuse Box

Screw terminals  
2 mounting holes

 AMPS 30A
 CIRCUITS 6
 PACK QTY. 1






**OEX**

## TDR05224

### Standard 12-way Fuse Box Blade with Cover

Fuse box with bussbar  
Max 30A per circuit to a total of 100A  
LED brown fuse indicators  
M5 stainless steel power & negative feed terminals  
M4 stainless steel terminal screws  
Nickle plated copper plates  
Clear cover with recessed label spaces & labels

 AMPS 30A
 CIRCUITS 12
 PACK QTY. 1



**THUNDER**  
*Connection is your Workmate's Edge*



### ACX1836

#### Standard 6-Way Expandable Fuse Box

Connect 2 and you have a 12 way fuse block  
 M5 stainless steel single power feed terminal  
 6x 30A(max) circuits with a maximum of 100A total  
 M4 stainless steel terminal screw with lock washers  
 Blown fuse indicators  
 2x fuse storage spaces  
 Clear cover with recessed label spaces and labels

	<b>AMPS</b> 100A
	<b>CIRCUITS</b> 6
	<b>PACK QTY.</b> 1



### ACX1837

#### 12-Way Negative Bus bar for ACX1836

Voltage: 32V DC  
 12x M4 stainless steel grounding screws  
 1x M5 stainless steel common recessed mounting points  
 To be used with ACX1836 to make a complete fuse box

	<b>AMPS</b> 100A
	<b>CIRCUITS</b> 12
	<b>PACK QTY.</b> 1



### TDR05222

#### Standard 6-Way Fuse Box Blade

Pre-wired  
 Clip on cover with fuse identification  
 U-shaped base for wire clearance  
 Max current: 20A

	<b>AMPS</b> 20A
	<b>CIRCUITS</b> 6
	<b>PACK QTY.</b> 1



### ACX1830

#### Fuse Box Blade 8-Way

Pre-wired  
 Clip on cover with fuse identification  
 U-shaped base for wire clearance  
 Max current: 20A

	<b>AMPS</b> 20A
	<b>CIRCUITS</b> 8
	<b>PACK QTY.</b> 1



### ACX1831

#### Fuse Box Blade 10-Way

Pre-wired  
 Clip on cover with fuse identification  
 U-shaped base for wire clearance  
 Max current: 20A

	<b>AMPS</b> 20A
	<b>CIRCUITS</b> 10
	<b>PACK QTY.</b> 1



### TDR05221

#### Standard 6-Way Fuse Box Blade with Cover

Male spade terminal connections  
 2 hole flush mount  
 Clear clip on cover



	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 6
	<b>PACK QTY.</b> 1



## TDR05223

### Standard 8-Way Fuse Box Blade with Cover

Male spade terminal connections  
2 hole flush mount  
Clear clip on cover

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 8
	<b>PACK QTY.</b> 1





**THUNDER**  
*Connection is your Workmate's Edge*

## ACX1834

### Standard 10-Way Fuse Box Blade with Cover

Male spade terminal connections  
2 hole flush mount  
Clear clip on cover

	<b>AMPS</b> 30A
	<b>CIRCUITS</b> 10
	<b>PACK QTY.</b> 1



**OEX**

## TDR05210

### Standard Blade Fuse Tap

10A per circuit  
Auxiliary power feed for second fuse  
150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1



**THUNDER**  
*Connection is your Workmate's Edge*

## ACX05210

### Standard Blade Fuse Tap

10A per circuit  
Auxiliary power feed for second fuse  
150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 10





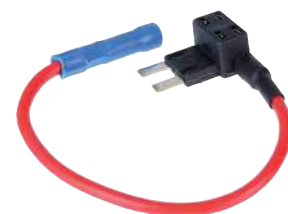
**OEX**

## TDR05209

### Mini Blade Fuse Tap

10A per circuit  
Auxiliary power feed for second fuse  
150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1




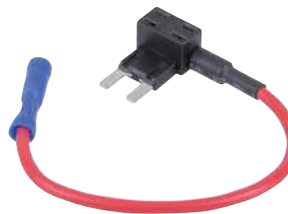
**THUNDER**  
*Connection is your Workmate's Edge*

## ACX05209

### Mini Blade Fuse Tap

10A per circuit  
Auxiliary power feed for second fuse  
150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 10



**OEX**



### TDR05216

#### Fuse Tap Low Profile Mini

10A per circuit  
 Auxiliary power feed for second fuse  
 150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1



### ACX05216

#### LP Micro Blade Fuse Tap

10A per circuit  
 Auxiliary power feed for second fuse  
 150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 10

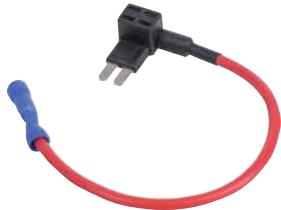


### TDR05215

#### Micro 2 Blade Fuse Tap

10A per circuit  
 Auxiliary power feed for second fuse  
 150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1



### ACX05215

#### Micro 2 Blade Fuse Tap

10A per circuit  
 Auxiliary power feed for second fuse  
 150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 10



### TDR05217

#### Micro 3 Blade Fuse Tap

10A per circuit  
 Auxiliary power feed for second fuse  
 150mm 16AWG cable outputs to an insulated joiner

	<b>AMPS</b> 10A
	<b>CIRCUITS</b> 2
	<b>PACK QTY.</b> 1



## Mini Blade Manual Reset Circuit Breakers

Part No.	Colour	Amps (A)	Pack Qty
ACX1927	Tan	5	5
ACX1929	Brown	7.5	5
ACX1928	Red	10	5
ACX1930	Blue	15	5
ACX1931	Yellow	20	5
ACX1932	Grey	25	5
ACX1933	Green	30	5
ACX1934	Various	1x 5A, 1x 7A, 1x 10A, 1x 15A, 1x 20A, 1x 25A, 1x 30A	7



## Type III Manual Reset Circuit Breakers (Switchable)

Type III manual reset

Push to reset - snap action

Colour coded manual release

Blade terminal for automotive fuse blocks with retainer clips

Size: 48 x 22 x 9mm

Part No.	Amps (A)	Pack Qty
ACX1920	10	1
ACX1921	15	1
ACX1922	20	1
ACX1923	25	1



## Type I Automatic Reset - Circuit Breakers

12V heavy duty automatic reset circuit breaker

Cycles or continuously resets until overload is corrected

10-32 stud terminals

40mm centre to centre mount holes

Plated steel case & mounting bracket

Part No.	Amps (A)	Pack Qty
30055-10BL	10	1
30055-15BL	15	1
30055-20BL	20	1
30055-20BX/10	20	10
30055-25BL	25	1
30055-25BX/10	25	10
30055-30BL	30	1
30055-30BX/10	30	10
30055-40BL	40	1
30055-40BX/10	40	10
30055-50BL	50	1

Note: Longer bolt is for power, small bolt is for load



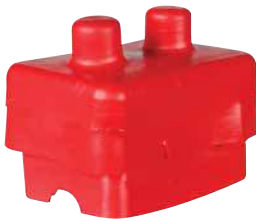


## Type I Automatic Reset Circuit Breakers

12V heavy duty automatic reset circuit breaker  
Cycles or continuously resets until overload is corrected  
10-32 stud terminals  
40mm centre to centre mount holes  
Plated steel case & mounting bracket

Part No.	Amps (A)	Pack Qty
<b>TDR05101</b>	15	1
<b>TDR05102</b>	20	1
<b>TDR05103</b>	25	1
<b>TDR05104</b>	30	1
<b>TDR05105</b>	40	1
<b>TDR05106</b>	50	1

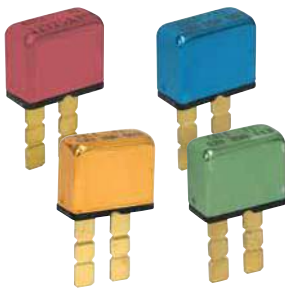
Note: Longer bolt is for power, small bolt is for load



## ACX3142

Tin Circuit Breaker Cover Red

Circuit breaker insulator



## Type I Plug In - Circuit Breakers

Heavy duty replacement for standard blade fuses, saves time and cost for replacing burnt out fuses  
Cycles or continuously resets until the over load is corrected  
Terminals grooved for easy size adjustment, snaps off with pliers

Part No.	Colour	Amps (A)	Pack Qty
<b>30409-10BL</b>	Red	10	1
<b>30409-15BL</b>	Blue	15	1
<b>30409-20BL</b>	Yellow	20	1
<b>30409-20BX/10</b>	Yellow	20	10
<b>30409-25BL</b>	Grey	25	1
<b>30409-30BL</b>	Green	30	1

## Type III Heavy Duty Manual Reset Circuit Breakers (Switchable)

Waterproof and dust resistant housing  
Manual reset  
Stainless steel 6mm studs  
Rubber stud caps

Part No.	Amps (A)	Pack Qty
TDR05113	30	1
TDR05107	50	1
TDR05108	60	1
TDR05109	80	1
TDR05110	100	1
TDR05111	150	1
TDR05112	200	1

Note: Bolt on waterproof label side is for power, other bolt is for load

**THUNDER**  
Connection is your Workload Escape



## Type III Heavy Duty Manual Reset Circuit Breakers (Switchable)

Up to 72VDC  
IP67 waterproof and dust resistant housing  
Manual reset  
Stainless steel 9.5mm studs  
Rubber stud caps

Part No.	Amps (A)	Pack Qty
ACX1843	50	1
ACX1844	60	1
ACX1845	80	1
ACX1846	100	1
ACX1847	150	1
ACX1848	200	1

**OEX**



## Type I Heavy Duty Automatic Reset Circuit Breakers

IP67 waterproof and dust resistant housing  
Automatic reset  
Stainless steel 6mm studs  
Rubber stud caps  
75 x 50mm

Part No.	Amps (A)	Pack Qty
ACX1895	100	1
ACX1894	60	1

**OEX**







## Type III Panel Mount Manual Reset Circuit Breakers

M4 x 6mm screw terminals  
10mm mounting hole



Part No.	Amps (A)	Pack Qty
ACX1910	6	1
ACX1911	8	1
ACX1912	10	1
ACX1913	15	1
ACX1914	20	1
ACX1915	25	1
ACX1916	30	1



## Type III Panel Mount Manual Reset Circuit Breakers

Push button reset  
Panel mount, up to 8.5mm thickness  
Push on terminal connections  
Dielectric strength: 1500vac/1 minute



Part No.	Amps (A)	Pack Qty
ACX1924	10	1
ACX1925	15	1
ACX1926	25	1



## Type III Panel Mount Manual Reset Circuit Breakers

Remains open until unit is manually reset by pushing the button  
Two screw terminals  
Mounting: 2x threaded holes suits 5/16 bolts  
Moulded plastic case with mounting holes 34.80mm apart



Part No.	Amps (A)	Pack Qty
ACX1882BL	5	1
ACX1884BL	10	1
ACX1885BL	15	1
ACX1886BL	20	1
ACX1887BL	25	1
ACX1888BL	30	1
ACX1889BL	40	1

## Type III Manual Reset Circuit Breakers

Remains open until unit is manually reset by pushing the button

Two 10/32" stud terminals

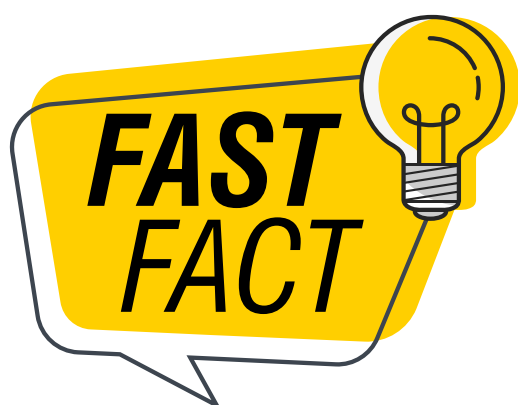
Mounting: 2x 6.50mm holes

Moulded plastic case with mounting holes 54.80mm apart

OEX

FUSES

Part No.	Amps (A)	Pack Qty
ACX1890	50	1
ACX1891	80	1
ACX1892	120	1
ACX1893	150	1



### Question

Is there such a thing as a 24V fuse?

### Answer

Usually fuses and circuit breakers can be of any voltage rating when used in DC low voltage applications. It is the current rating of the fuse that is most critical. The current rating of the fuse however must be specific to the voltage of the circuit it is being used in. For example, a 5 amp fuse can be used on 12 or 24V systems as long the 5 amp rating of the fuse will protect the circuit.

### Question

Is it acceptable to change a 15 amp fuse with a 10 amp fuse ?

### Answer

Circuits should be designed to serve the requirements of the accessories that are a part of that circuit.

Fuses are designed to protect the circuit and accessories within, and are to be the weakest link in the circuit.

If a fuse, which is incorrect for the circuit, is used there could be two possible outcomes:

1. If the fuse is larger than the circuit requires, damage to the circuit or accessories could occur if too much current passed through the circuit as a result of a short circuit or a failing of an accessory.
2. If the fuse is less than the circuit requires, the fuse may 'blow' or burn as the fuse is not large enough to cover the requirements of the accessory.

It is recommended to only use the correctly rated fuse for the application, and not to replace a fuse with a fuse of a different rating.

# CABLE

Cable

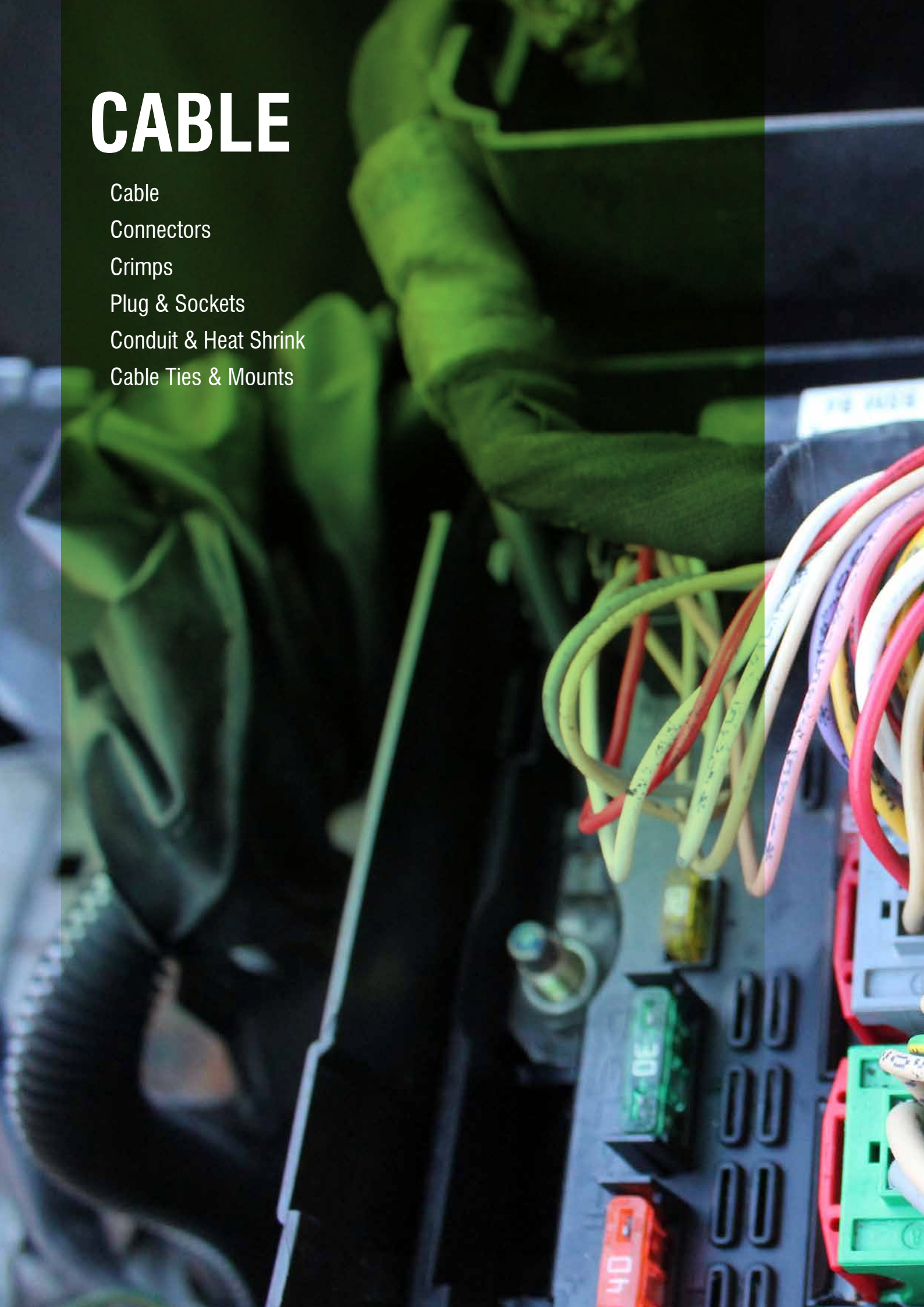
Connectors

Crimps

Plug & Sockets

Conduit & Heat Shrink

Cable Ties & Mounts







# CABLE Gauge Guide



## 12 Volt Cable Length

(Must include ground return)

OUTPUT IN AMPS	UP TO 1.2m	1.2m-2.1m	2.1m-3.04m	3.04m-3.9m	3.9m-4.8m	4.8m-5.72m	5.72m-6.70m	6.70m-7.62m
0 - 20	3mm	5mm	5mm	6mm	6mm	8 B&S	8 B&S	8 B&S
20 - 35	5mm	6mm	8 B&S	8 B&S	6 B&S	6 B&S	6 B&S	3 B&S
35 - 50	6mm	8 B&S	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	3 B&S
50 - 65	8 B&S	8 B&S	6 B&S	3 B&S	3 B&S	3 B&S	2 B&S	2 B&S
65 - 85	8 B&S	6 B&S	3 B&S	3 B&S	2 B&S	2 B&S	2 B&S	0 B&S
85 - 105	8 B&S	6 B&S	3 B&S	2 B&S	2 B&S	0 B&S	0 B&S	0 B&S
105 - 125	6 B&S	3 B&S	3 B&S	2 B&S	0 B&S	0 B&S	0 B&S	0 B&S
125 - 150	6 B&S	3 B&S	2 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S
150 - 175	6 B&S	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S
175 - 200	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S	000 B&S
200 - 250	3 B&S	2 B&S	0 B&S	00 B&S	00 B&S	000 B&S	0000 B&S	0000 B&S
250 - 300	3 B&S	2 B&S	0 B&S	00 B&S	000 B&S	0000 B&S	2 x 00 B&S	2 x 00 B&S

**NOTE:** Cable sizes based on 0.3 volt drop for new vehicle (maximum 0.5 volt drop over life of vehicle). No other factors are included, such as thermal rise. On 3 wire systems, maximum voltage drop in the sense (No. 2) lead must not exceed 0.2 volt.

## 24 Volt Cable Length

(Must include ground return)

OUTPUT IN AMPS	UP TO 1.2m	1.2m-2.1m	2.1m-3.04m	3.04m-3.9m	3.9m-4.8m	4.8m-5.72m	5.72m-6.70m	6.70m-7.62m
0 - 20	3mm	3mm	4mm	5mm	5mm	5mm	6mm	6mm
20 - 35	3mm	5mm	5mm	8 B&S	8 B&S	8 B&S	8 B&S	8 B&S
35 - 50	4mm	5mm	6mm	8 B&S	8 B&S	8 B&S	6 B&S	6 B&S
50 - 65	6mm	8 B&S	8 B&S	8 B&S	6 B&S	6 B&S	6 B&S	6 B&S
65 - 85	6mm	8 B&S	8 B&S	6 B&S	6 B&S	6 B&S	3 B&S	3 B&S
85 - 105	8 B&S	8 B&S	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	3 B&S
105 - 125	8 B&S	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	3 B&S	2 B&S
125 - 150	8 B&S	6 B&S	6 B&S	3 B&S	3 B&S	2 B&S	2 B&S	2 B&S
150 - 175	8 B&S	6 B&S	3 B&S	2 B&S	2 B&S	2 B&S	0 B&S	0 B&S
175 - 200	6 B&S	3 B&S	2 B&S	2 B&S	2 B&S	0 B&S	0 B&S	00 B&S
200 - 250	6 B&S	3 B&S	2 B&S	0 B&S	0 B&S	0 B&S	00 B&S	00 B&S
250 - 300	6 B&S	2 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S
350 - 400	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	00 B&S	000 B&S	0000 B&S
400 - 450	3 B&S	2 B&S	0 B&S	0 B&S	00 B&S	000 B&S	0000 B&S	0000 B&S

**NOTE:** Cable sizes based on 0.6 voltage drop for new vehicle (maximum 1.0 volt drop over life of vehicle). On 3 wire systems, maximum voltage drop in the sense (No. 2) lead must not exceed 0.2 volt.



# CABLE Gauge Guide



Cable size	Cable Outside Diameter	Amp rating @ 30°C	Cable Reference Image
3mm	2.43mm	10	
4mm	2.77mm	15	
5mm	3.35mm	20	
6mm	3.96mm	30	
10mm	6.3mm	100	
8B&S	5.26mm	75	
6B&S	6.98mm	100	
4B&S	8.5mm	130	
3B&S	9.74mm	160	

Cable size	Cable Outside Diameter	Amp rating @ 30°C	Cable Reference Image
2B&S	11.1mm	180	
1B&S	11.68mm	200	
0B&S	12.63mm	240	
00B&S	14.55mm	290	
000B&S	16.81mm	330	
2B&S Weldflex	12.95mm	265	
0B&S Weldflex	15.52mm	335	
00B&S Weldflex	17.15mm	415	

# Austech Wire & Cable has been a proud partner and supplier of Automotive Cables to Ashdown-Ingram for over 15 years.

Austech, established in 1997, offer a world class manufacturing facility equipped with the latest technology. Highly automated state of the art machinery with built in process control systems ensure products are consistently produced at the highest quality standards.

At Austech, we partner with the best machine manufacturers in the world including Kuhara, Niehoff, Rosendahl, Pioneer, PS Costruzioni and Balloffet. These leading brands enable us to achieve the best results when it comes to the highest quality Automotive Cables manufactured for Australian conditions.

Austech only use Australian made copper with a UV treated outer sheath. Maximising the internal strand count per square millimetre allows for maximum flexibility, making it the most usable cable in the market whilst carrying maximum current under load. All cable supplied under the OEX brand has an actual oxygen content less than 5 parts per million which makes the OEX cable 99.99% oxygen free.





# OEX Cable

OEX cable is proudly produced in Australia using copper from an Australian mine, which ensures that the quality of the cable remains high.

OEX cable consistently uses smaller strands in greater numbers to increase surface area and cable flexibility, making it easier to use in automotive applications.

Production of OEX cable has also obtained a green star, the Green Star rating system assesses the sustainability of projects at all stages of the built environment life cycle.

OEX cable is also ROHS approved and with relevant standards calling for less than 10 parts per million of oxygen in the copper using only refined LME grade A cathode, the actual oxygen content achieved in OEX cable is less than 5 parts per million which makes OEX cable 99.9% oxygen free.



## 2mm Single Core Cable

Suitable for voltages up to 100V

Amp rating: 5A @ 30°C (recommended amperage rating)

Number of conductor strands: 18

Conductor strand diameter: 0.18mm

Conductor cross section: 0.50mm<sup>2</sup>

Conductor material: Copper

Insulation type: PVC

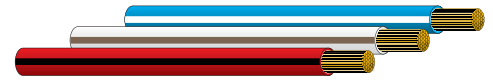
Temp rating: V90HT (105°) to AS/NZS 3808 UV stabilised

Compliance: RoHS

CAN Bus cable applications

Also available in 500m rolls by special order MOQ 6 rolls

Illustration	Part No.	Length	Colour
	<b>ACX0556</b>	50m	
	<b>ACX0556/100</b>	100m	Black
	<b>ACX0556/500</b>	500m	
	<b>ACX0558</b>	50m	
	<b>ACX0558/100</b>	100m	Red
	<b>ACX0558/500</b>	500m	
	<b>ACX0557</b>	50m	
	<b>ACX0557/100</b>	100m	Green
	<b>ACX0559</b>	50m	
	<b>ACX0559/100</b>	100m	White
	<b>ACX0560</b>	50m	
	<b>ACX0560/100</b>	100m	Blue
	<b>ACX0561</b>	50m	
	<b>ACX0561/100</b>	100m	Brown
	<b>ACX0562</b>	50m	
	<b>ACX0562/100</b>	100m	Yellow
	<b>ACX0563</b>	50m	
	<b>ACX0563/100</b>	100m	Orange
	<b>ACX0564</b>	50m	
	<b>ACX0564/100</b>	100m	Pink
	<b>ACX0565</b>	50m	
	<b>ACX0565/100</b>	100m	Grey
	<b>ACX0566</b>	50m	
	<b>ACX0566/100</b>	100m	Violet



## 2mm Single Core Cable with Trace

Suitable for voltages up to 100V

Amp rating: 5A @ 30°C (recommended amperage rating)

Number of conductor strands: 18

Conductor strand diameter: 0.18mm

Conductor cross section: 0.50mm<sup>2</sup>

Conductor material: Copper

Insulation type: PVC

Temp rating: V90HT (105°) to AS/NZS 3808 UV stabilised

Compliance: RoHS

CAN Bus cable applications

Illustration	Part No.	Length	Colour
	<b>ACX0570</b>	50m	Black/Green
	<b>ACX0575</b>	50m	Black/Pink
	<b>ACX0581</b>	50m	Black/Red
	<b>ACX0567</b>	50m	Black/White
	<b>ACX0574</b>	50m	Black/Yellow
	<b>ACX0573</b>	50m	Blue/Yellow
	<b>ACX0571</b>	50m	Brown/White
	<b>ACX0576</b>	50m	Green/White
	<b>ACX0568</b>	50m	Red/Black
	<b>ACX0577</b>	50m	Red/Blue
	<b>ACX0569</b>	50m	Red/White
	<b>ACX0579</b>	50m	Red/Yellow
	<b>ACX0582</b>	50m	White/Black
	<b>ACX0578</b>	50m	White/Brown
	<b>ACX0580</b>	50m	White/Yellow
	<b>ACX0583</b>	50m	Yellow/Black
	<b>ACX0572</b>	50m	Yellow/Blue



## 2.5mm Single Core Cable

Suitable for voltages up to 120V  
 Amp rating: 7A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 9  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 0.64mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0693</b>	148	30m	Black
	<b>ACX0693L</b>	148	100m	
	<b>ACX0694</b>	148	30m	Red
	<b>ACX0694L</b>	148	100m	
	<b>ACX0695</b>	148	30m	White
	<b>ACX0695L</b>	148	100m	
	<b>ACX0698</b>	148	30m	Blue
	<b>ACX0698L</b>	148	100m	
	<b>ACX0699</b>	148	30m	Brown



## 3mm Single Core Cable

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0700</b>	150	30m	Black
	<b>ACX0700L</b>	150	100m	
	<b>ACX0700/500</b>	150	500m	
	<b>ACX0702</b>	150	30m	Red
	<b>ACX0702L</b>	150	100m	
	<b>ACX0702/500</b>	150	500m	
	<b>ACX0701</b>	150	30m	Green
	<b>ACX0701L</b>	150	100m	
	<b>ACX0701/500</b>	150	500m	
	<b>ACX0703</b>	150	30m	White
	<b>ACX0703L</b>	150	100m	
	<b>ACX0703/500</b>	150	500m	



## 3mm Single Core Cable (continued)

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0704</b>	150	30m	Blue
	<b>ACX0704L</b>	150	100m	
	<b>ACX0704/500</b>	150	500m	
	<b>ACX0705</b>	150	30m	Brown
	<b>ACX0705L</b>	150	100m	
	<b>ACX0705/500</b>	150	500m	
	<b>ACX0706</b>	150	30m	Yellow
	<b>ACX0706L</b>	150	100m	
	<b>ACX0706/500</b>	150	500m	
	<b>ACX0707</b>	150	30m	Orange
	<b>ACX0707L</b>	150	100m	
	<b>ACX0707/500</b>	150	500m	
	<b>ACX0708</b>	150	30m	Pink
	<b>ACX0708L</b>	150	100m	
	<b>ACX0708/500</b>	150	500m	
	<b>ACX0709</b>	150	30m	Grey
	<b>ACX0709L</b>	150	100m	
	<b>ACX0709/500</b>	150	500m	
	<b>ACX0710</b>	150	30m	Violet
	<b>ACX0710L</b>	150	100m	
	<b>ACX0710/500</b>	150	500m	
	<b>ACX0714</b>	150	30m	Black/Green
	<b>ACX0714L</b>	150	100m	
	<b>ACX0611/500</b>	150	500m	Black/Orange
	<b>ACX0719</b>	150	30m	Black/Pink
	<b>ACX0719L</b>	100	100m	
	<b>ACX0324</b>	150	100m	Black/Violet
	<b>ACX0711</b>	150	30m	Black/White
	<b>ACX0711L</b>	150	100m	
	<b>ACX0718</b>	150	30m	Black/Yellow
	<b>ACX0718L</b>	150	100m	
	<b>ACX0718/500</b>	150	500m	
	<b>ACX0325</b>	150	100m	Blue/Black
	<b>ACX0326</b>	150	100m	Blue/Brown
	<b>ACX0780/500</b>	150	500m	Blue/Green
	<b>ACX0615/500</b>	150	500m	Blue/Grey
	<b>ACX0614/500</b>	150	500m	Blue/Pink



### 3mm Single Core Cable (continued)

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0861	150	100m	Blue/Red
	ACX0717	150	30m	Blue/White
	ACX0717L	150	100m	
	ACX0327	150	100m	Blue/Yellow
	ACX0329	150	100m	Brown/Black
	ACX0616/500	150	500m	Brown/Blue
	ACX0330	150	100m	Brown/Green
	ACX0332	150	100m	Brown/Orange
	ACX0331	150	100m	Brown/Pink
	ACX0715	150	30m	Brown/White
	ACX0715L	150	100m	
	ACX0715/500	150	500m	
	ACX0612/500	150	500m	Green/Blue
	ACX0335	150	100m	Green/Red
	ACX0613/500	150	500m	Green/Violet
	ACX0720	150	30m	Green/White
	ACX0720L	150	100m	
	ACX0620/500	150	500m	Grey/Green
	ACX0619/500	150	500m	Grey/Red
	ACX0617/500	150	500m	Pink/Brown
	ACX0781/500	150	500m	Pink/Yellow
	ACX0712	150	30m	Red/Black
	ACX0712L	150	100m	
	ACX0712/500	150	500m	
	ACX0721	150	30m	Red/Blue
	ACX0721L	150	100m	
	ACX0721/500	150	500m	
	ACX0618/500	150	500m	Red/Grey
	ACX0341	150	100m	Red/Orange
	ACX07130	150	30m	Red/White
	ACX0713L	150	100m	
	ACX0713/500	150	500m	
	ACX0343	150	100m	Red/Yellow



### 3mm Single Core Cable (continued)

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0621/500	150	500m	Violet/Grey
	ACX0345	150	100m	Violet/White
	ACX0860	150	100m	White/Black
	ACX0722	150	30m	White/Brown
	ACX0722L	150	100m	
	ACX0622/500	150	500m	White/Green
	ACX0356	150	100m	White/Orange
	ACX0357	150	100m	White/Pink
	ACX0354	150	100m	White/Red
	ACX0623/500	150	500m	White/Yellow
	ACX0359	150	100m	Yellow/Black
	ACX0716	150	30m	Yellow/Blue
	ACX0716L	150	100m	
	ACX0716/500	150	500m	
	ACX0360	150	100m	Yellow/Pink
	ACX0782/500	150	500m	Yellow/Red
	ACX0361	150	100m	Yellow/White
	ACX0624/500	150	500m	Yellow/Orange





## 4mm Single Core Cable

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 26  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.84mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0723	152	30m	
	ACX0723L	152	100m	Black
	ACX0723/500	152	500m	
	ACX0725	152	30m	
	ACX0725L	152	100m	Red
	ACX0725/500	152	500m	
	ACX0724	152	30m	
	ACX0724L	152	100m	Green
	ACX0724/500	152	500m	
	ACX0726	152	30m	
	ACX0726L	152	100m	White
	ACX0726/500	152	500m	
	ACX0727	152	30m	
	ACX0727L	152	100m	Blue
	ACX0727/500	152	500m	
	ACX0728	152	30m	
	ACX0728L	152	100m	Brown
	ACX0728/500	152	500m	
	ACX0729	152	30m	
	ACX0729L	152	100m	Yellow
	ACX0729/500	152	500m	
	ACX0730	152	30m	
	ACX0730L	152	100m	Orange
	ACX0730/500	152	500m	
	ACX0731	152	30m	
	ACX0731L	152	100m	Pink
	ACX0731/500	152	500m	
	ACX0732	152	30m	
	ACX0732L	152	100m	Grey
	ACX0732/500	152	500m	
	ACX0733	152	30m	
	ACX0733L	152	100m	Violet
	ACX0733/500	150	500m	



## 4mm Single Core Cable (continued)

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0737	152	30m	Black/Green
	ACX0734	152	30m	Black/White
	ACX0734L	152	100m	
	ACX0741	152	30m	Black/Yellow
	ACX0363	152	100m	Blue/Black
	ACX0362	152	100m	Blue/Red
	ACX0740	152	30m	Blue/White
	ACX0740L	152	100m	
	ACX0745	152	30m	Brown/Blue
	ACX0738	152	30m	Brown/White
	ACX0738L	152	100m	
	ACX0748	152	30m	Green/Black
	ACX0748L	152	100m	
	ACX0746	152	30m	Green/Red
	ACX0747	152	30m	Green/Violet
	ACX0742	152	30m	Green/White
	ACX0742L	152	100m	
	ACX0788/500	152	500m	Grey/Orange
	ACX0749	152	30m	Orange/Blue
	ACX0749L	152	100m	
	ACX0786/500	152	500m	Pink/Green
	ACX0735	152	30m	Red/Black
	ACX0735L	152	100m	
	ACX0743	152	30m	Red/Blue
	ACX0743L	152	100m	
	ACX0736	152	30m	Red/White
	ACX0736L	152	100m	
	ACX0787/500	152	500m	Red/Yellow
	ACX0364	152	100m	White/Blue
	ACX0744	152	30m	White/Brown
	ACX0739	152	30m	Yellow/Blue
	ACX0739L	152	100m	



## 5mm Single Core Cable

Suitable for voltages up to 120V  
 Amp rating: 20A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 41  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 2.90mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0750</b>	154	30m	
	<b>ACX0750L</b>	154	100m	Black
	<b>ACX0750/500</b>	154	500m	
	<b>ACX0752</b>	154	30m	
	<b>ACX0752L</b>	154	100m	Red
	<b>ACX0752/500</b>	154	500m	
	<b>ACX0751</b>	154	30m	
	<b>ACX0751L</b>	154	100m	Green
	<b>ACX0753</b>	154	30m	
	<b>ACX0753L</b>	154	100m	White
	<b>ACX0754</b>	154	30m	
	<b>ACX0754L</b>	154	100m	Blue
	<b>ACX0755</b>	154	30m	
	<b>ACX0755L</b>	154	100m	Brown
	<b>ACX0756</b>	154	30m	
	<b>ACX0756L</b>	154	100m	Yellow
	<b>ACX0757</b>	154	30m	
	<b>ACX0757L</b>	154	100m	Orange
	<b>ACX0758</b>	154	30m	
	<b>ACX0758L</b>	154	100m	Pink
	<b>ACX0759</b>	154	30m	
	<b>ACX0759L</b>	154	100m	Grey
	<b>ACX0760</b>	154	30m	
	<b>ACX0760L</b>	154	100m	Violet



## 6mm Single Core Cable

Suitable for voltages up to 120V  
 Amp rating: 30A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 65  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 4.59mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0761</b>	156	30m	
	<b>ACX0761L</b>	156	100m	Black
	<b>ACX0761/500</b>	156	500m	
	<b>ACX0763</b>	156	30m	
	<b>ACX0763L</b>	156	100m	Red
	<b>ACX0763/500</b>	156	500m	
	<b>ACX0762</b>	156	30m	
	<b>ACX0762L</b>	156	100m	Green
	<b>ACX0764</b>	156	30m	
	<b>ACX0764L</b>	156	100m	White
	<b>ACX0765</b>	156	30m	
	<b>ACX0765L</b>	156	100m	Blue
	<b>ACX0766</b>	156	30m	
	<b>ACX0766L</b>	156	100m	Brown
	<b>ACX0767</b>	156	30m	
	<b>ACX0767L</b>	156	100m	Yellow
	<b>ACX0768</b>	156	30m	
	<b>ACX0768L</b>	156	100m	Orange
	<b>ACX0769</b>	156	30m	
	<b>ACX0769L</b>	156	100m	Pink
	<b>ACX0770</b>	156	30m	
	<b>ACX0770L</b>	156	100m	Grey
	<b>ACX0771</b>	156	30m	
	<b>ACX0771L</b>	156	100m	Violet
	<b>ACX0771/500</b>	156	500m	



### 3mm Gas Single Core Cable Black Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC insulation & sheathed to AS3191  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0772	150	30m	Red/Black
ACX0772L		100m	



### 4mm Gas Single Core Cable Black Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 26  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.84mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC insulation & sheathed to AS3191  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0773	152	30m	Red/Black
ACX0773L		100m	



### 5mm Gas Single Core Cable Black Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 41  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 2.90mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC insulation & sheathed to AS3191  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0775	154	30m	Red/Black



### 6mm Gas Single Core Cable Black Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 41  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 2.90mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC insulation & sheathed to AS3191  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0774	156	30m	Red/Black
ACX0774L	156	100m	



### 3mm Twin Core Cable "Figure 8"

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC insulation & sheathed to AS3191  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0802	151	30m	Red, Red/Black
	ACX0802L	151	100m	
	ACX0802/500	151	500m	
	ACX0803	151	30m	Brown, Brown/White
	ACX0803L	151	100m	
	ACX0830	151	30m	Blue, Blue/White
	ACX0830L	151	100m	



## 4mm Twin Core Cable "Figure 8"

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC insulation & sheathed to AS3191  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0804</b>	153	30m	Red,
	<b>ACX0804L</b>	153	100m	Red/Black
	<b>ACX0840</b>	153	30m	Blue,
	<b>ACX0840L</b>	153	100m	Blue/White
	<b>ACX0842</b>	153	30m	Green,
	<b>ACX0842L</b>	153	30m	Green/White



## 2mm Speaker Cable "Figure 8"

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 14  
 Conductor strand diameter: 0.20mm  
 Conductor cross section: 0.44mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC insulation AS3191  
 Temp rating: V90 (90°) to AS/NZS 3808 UV stabilised  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0800</b>	Speaker	30m	Grey/Black
	<b>ACX0801</b>	Speaker	100m	



## 2mm Twin Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 5A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 7  
 Conductor strand diameter: 0.32mm  
 Conductor cross section: 0.56mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
<b>ACX0799</b>		50m	
<b>ACX0799L</b>		100m	Red/Black



## 3mm Twin Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0806</b>	151	30m	
	<b>ACX0806L</b>	151	100m	Red/Black
	<b>ACX0806/500</b>	151	500m	
	<b>ACX0807</b>	151	30m	Brown/White
	<b>ACX0807L</b>	151	100m	



## 4mm Twin Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 26  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.84mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation Type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0808</b>	153	30m	Red/Black
	<b>ACX0808L</b>	153	100m	
	<b>ACX0809</b>	153	30m	Brown/White
	<b>ACX0809L</b>	153	100m	



## 5mm Twin Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 20A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 41  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 2.90mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

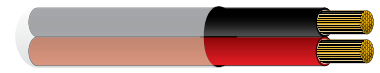
Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0810</b>	155	30m	Red/Black
	<b>ACX0810L</b>	155	100m	
	<b>ACX0835</b>	155	30m	Blue/Black
	<b>ACX0835L</b>	155	100m	



## 6mm Twin Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 30A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 65  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 4.59mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

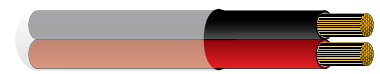
Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0811</b>	157	30m	Red/Black
	<b>ACX0811L</b>	157	100m	
	<b>ACX0811T/100</b>	157	100m	Tinned Red/Black



## 10mm Twin Core Cable Sheath

Suitable for voltages up to 900-1500VDC  
 Amp rating: 100A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 203  
 Conductor strand diameter: 0.25mm  
 Conductor cross section: 10mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: Clear V90HT to AS/NZS 3808:2000 UV stabilised  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
<b>ACX0822</b>		10m	Red/Black
<b>ACX0823</b>		30m	Red/Black



## 16mm Twin Core Cable Sheath

Suitable for voltages up to 900-1500VDC  
 Amp rating: 120A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 322  
 Conductor strand diameter: 0.25mm  
 Conductor cross section: 16mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: Clear V90HT to AS/NZS 3808:2000 UV stabilised  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
<b>ACX0824</b>	50m	Red/Black





### 3mm 3 Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS

Part No.	Length	Colour
ACX0812	30m	Brown, White, Yellow
ACX0812L	100m	



### 4mm 3 Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 26  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.84mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
ACX0819	30m	Red, Black, Blue
ACX0819L	100m	



### 2.5mm 5 Core Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 30A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 65  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 4.59mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0820	205	30m	Red, Green, Yellow, White, Brown
ACX0820L	205	100m	
ACX0820/500	205	500m	



### 3mm 5 Core Trailer Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0813	206	30m	Red, Green, Yellow, White, Brown
ACX0813L	206	100m	



### 4mm 5 Core Trailer Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 26  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.84mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
ACX0814	30m	Red, Green, Yellow, White, Brown
ACX0814L	100m	



### 6mm 5 Core Trailer Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 65  
 Conductor strand diameter: 0.32mm  
 Conductor cross section: 5.22mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS

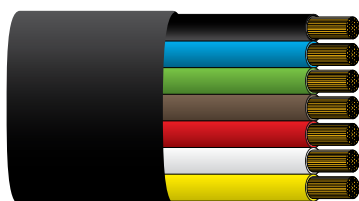
Part No.	Length	Colour
ACX0815	30m	Red, Green, Yellow, White, Brown
ACX0815L	100m	



## 2.5mm 7 Core Trailer Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 7A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 9  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 0.64mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
ACX0821	30m	Red, Black, Green, Yellow, Blue, White, Brown
ACX0821L	100m	



## 2.5mm 7 Core Flat Cable Black Sheath

Suitable for voltages up to 120V  
 Amp rating: 7A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 9  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 0.64mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS

Part No.	Length	Colour
ACX0980	20m	Red, Black, Green, Yellow, Blue, White, Brown
ACX0980L	100m	



## 3mm 7 Core Trailer Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 16  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.13mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS

Part No.	Length	Colour
ACX0816	30m	Red, Green, Yellow, White, Brown
ACX0816L	100m	



## 4mm 7 Core Trailer Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 26  
 Conductor strand diameter: 0.30mm  
 Conductor cross section: 1.84mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper  
 Tinned version available (ACX0817T)

Part No.	Length	Colour
ACX0817	30m	Red, Black, Green, Yellow, Blue, White, Brown
ACX0817L	100m	
ACX0817T	30m	



## 6mm 7 Core Trailer Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C (recommended amperage rating)  
 Number of conductor strands: 65  
 Conductor strand diameter: 0.32mm  
 Conductor cross section: 5.22mm<sup>2</sup>  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
ACX0818	30m	Red, Black, Green, Yellow, Blue, White, Brown
ACX0818L	100m	
ACX0818/200	200m	



## 4 Core Trailer Brake Cable Sheath

Specialised cable to suit auxilliary power & electric brake applications  
 Suitable for voltages up to 110V  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
ACX0826	30m	6mm B&S Red, White,
ACX0826L	100m	5mm Blue, 3mm Red
ACX0829	30m	6 B&S Red, Black, 5mm Blue, 4mm Red



## 5 Core Trailer Brake Control Cable Black Sheath

Twin 6 B&S, 5mm blue, 3mm red, 3mm violet specialised cable to suit auxilliary power & electric brake applications  
 Suitable for voltages up to 110V  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS

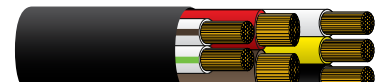
Part No.	NZ Ref.	Length	Colour
ACX0836/30	156	30m	6 B&S Red, Black, 5mm Blue, 3mm Red, Violet
ACX0836/100	156	100m	



## 5 Core Trailer Brake Control Cable Black Sheath

Specialised cable to suit auxilliary power & electric brake applications  
 Suitable for voltages up to 110V  
 Conductor material: Copper  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS

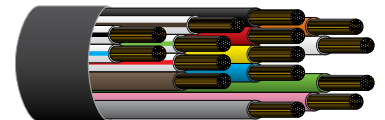
Part No.	NZ Ref.	Length	Colour
ACX0827	156	30m	6mm Red, White, 5mm Blue, 3mm Red, violet
ACX0828	156	100m	



## 7 Core Cable ABS/EBS

Specialised cable for EBS trailer applications as per trailer braking Australian design rule ADR38/04  
 Conductor material: Copper - Oxygen free  
 Insulation type: V90HT to AS/NZS 3808:2000 UV stabilized  
 Conductor cross section: 4mm<sup>2</sup>/1.5mm<sup>2</sup>  
 Number of strands: 56/30  
 Strand diameter: 0.3mm/0.25mm

Part No.	NZ Ref.	Length	Colour
ATRZ25415B50	EBS	50m	4mm <sup>2</sup> Red, Brown 1.5mm <sup>2</sup> White, Yellow, Black, White/Green, White/Brown



## 15 Core ATR Trailer Cable

Specialised cable for trailer and road train applications  
 Conductor material: Copper - Oxygen free  
 Insulation type: V90HT to AS/NZS 3808:2000 UV stabilized  
 Conductor cross section: 1.94mm<sup>2</sup>/1.13mm<sup>2</sup>  
 Number of strands: 26/16  
 Strand diameter: 0.3mm/0.3mm

Part No.	NZ Ref.	Length	Colour
ATC34123B50	15 Core	50m	4mm White, Orange, White/Red 3mm White, Green, Blue, Black, Brown, Red, Pink, Grey, White/ Black, White/Blue, White/Red, White/Green, White/Brown



## 8 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0900	158	30m	Black
	ACX0900L	158	100m	
	ACX0901	158	30m	Red
	ACX0901L	158	100m	



## 6 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0902	30m	Black
	ACX0902L	100m	
	ACX0903	30m	Red
	ACX0903L	100m	



## 4 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Illustration	Part No.	Length	Colour
	ACX0904	100m	Black
	ACX0905	30m	Red



## 3 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0906	30m	Black
	ACX0907	30m	Red



## 2 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0908	158	30m	Black
	ACX0908L		100m	
	ACX0909	158	30m	Red
	ACX0909L		100m	



## 1 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0910	30m	Black
	ACX0911	100m	Red



## 0 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0912	158	10m	Black
	ACX0913		30m	
	ACX0914	158	30	Red
	ACX0915		100m	



## 00 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor material: Copper

Insulation type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0916	10m	Black
	ACX0917	30m	
	ACX0918	30m	Red



## 000 B&S Battery Cable

Battery & starter cable suitable for voltages up to 120V

Conductor Material: Copper

Insulation Type: PVC V90 to AS/NZS3008:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0919	10m	Black
	ACX0920	30m	
	ACX0919R	10m	Red
	ACX0920R	30m	



## 2 B&S WELDFLEX Cable

Suitable for voltages up to 120V

Conductor material: Plain copper conductor to AS1125 wire stranding to class 5 & 6

Insulation type V90HT to AS/NZS 3808:2000

Sheath: Nitril modified PVC (NBR) to AS/NZS 3808:2000

Temp rating: 90°

Compliance: RoHS

Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0921	10m	Black
	ACX0921/30	30m	
	ACX0922	100m	Orange
	ACX0934	50m	



## 0 B&S WELDFLEX Cable

Suitable for voltages up to 120V

Conductor material: Plain copper conductor to AS1125 wire stranding to class 5 & 6

Insulation type: V90HT to AS/NZS 3808:2000

Sheath: Nitril modified PVC (NBR) to AS/NZS 3808:2000

Temp rating: 90°

Compliance: RoHS

Minimum bending radius: 5x overall radius

Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0923	10m	Black
	ACX0853	50m	Orange
	ACX0852	100m	Orange





## 00 B&S WELDFLEX Cable

Suitable for voltages up to 120V  
 Conductor material: Plain copper conductor to AS1125 wire stranding to class 5 & 6  
 Insulation type: V90HT to AS/NZS 3808:2000  
 Sheath: Nitril modified PVC (NBR) to AS/NZS 3808:2000  
 Temp rating: 90°  
 Compliance: RoHS  
 Minimum bending radius: 5x overall radius  
 Oxygen free copper

Illustration	Part No.	Length	Colour
	ACX0925	10m	Black
	ACX0926	100m	Black
	ACX0948	50m	Orange



## 8 B&S Battery Twin Cable Sheath

Suitable for voltages up to 120V  
 Conductor material: Plain copper conductor to AS1125  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
ACX0927	30m	Red/Black
ACX0927/50	50m	Red/Black



## 6 B&S Twin Core Battery Cable Sheath

Suitable for voltages up to 120V  
 Conductor material: Plain copper conductor to AS1125  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS

Part No.	Length	Colour
ACX0928	30m	Red/Black
ACX0928/100	100m	Red/Black



## 2 B&S Twin Core Battery Cable Clear Sheath

Twin core battery cable clear sheath suitable for voltages up to 120V  
 Conductor material: Plain copper conductor to AS1125  
 Insulation type: PVC V90 to AS3191  
 Temp rating: 90°  
 Compliance: RoHS  
 Oxygen free copper

Part No.	Length	Colour
ACX0843	10m	Red/Black
ACX0843/30	30m	Red/Black



## 2mm Single Core Marine Cable

Suitable for voltages up to 120V  
 Amp rating: 5A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 24  
 Conductor strand diameter: 0.20mm  
 Conductor cross section: 0.75mm<sup>2</sup>  
 Insulation: PVC to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	ACX0935	146M	100m	Black
	ACX0937	146M	100m	Red
	ACX0938	146M	100m	White
	ACX0939	146M	100m	Blue
	ACX0940	146M	100m	Brown
	ACX0942	146M	100m	Orange
	ACX0943	146M	100m	Pink
	ACX0944	146M	100m	Grey
	ACX0945	146M	100m	Violet



## 2.5mm Single Core Marine Cable

Suitable for voltages up to 120V  
 Amp rating: 7A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 24  
 Conductor strand diameter: 0.20mm  
 Conductor cross section: 0.75mm<sup>2</sup>  
 Insulation: PVC to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0950</b>	148M	100m	Black
	<b>ACX0952</b>	148M	100m	Red
	<b>ACX0951</b>	148M	100m	Green
	<b>ACX0953</b>	148M	100m	White
	<b>ACX0954</b>	148M	100m	Blue
	<b>ACX0955</b>	148M	100m	Brown
	<b>ACX0956</b>	148M	100m	Yellow
	<b>ACX0957</b>	148M	100m	Orange
	<b>ACX0958</b>	148M	100m	Pink
	<b>ACX0959</b>	148M	100m	Grey
	<b>ACX0960</b>	148M	100m	Violet
	<b>ACX0961</b>	148M	100m	Green/Yellow



## 3mm Single Core Marine Cable

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 32  
 Conductor strand diameter: 0.20mm  
 Conductor cross section: 1.0mm<sup>2</sup>  
 Insulation: PVC to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0971</b>	150M	100m	Black
	<b>ACX0973</b>	150M	100m	Red
	<b>ACX0972</b>	150M	100m	Green
	<b>ACX0974</b>	150M	100m	White
	<b>ACX0975</b>	150M	100m	Blue
	<b>ACX0976</b>	150M	100m	Brown
	<b>ACX0977</b>	150M	100m	Yellow
	<b>ACX0978</b>	150M	100m	Orange
	<b>ACX0981</b>	150M	100m	Grey



## 4mm Single Core Marine Cable

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 30  
 Conductor strand diameter: 0.25mm  
 Conductor cross section: 1.5mm<sup>2</sup>  
 Insulation: PVC to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0964</b>	152M	50m	Black
	<b>ACX0986</b>	152M	100m	
	<b>ACX0962</b>	152M	50m	Red
	<b>ACX0988</b>	152M	100m	
	<b>ACX0987</b>	152M	100m	Green
	<b>ACX0989</b>	152M	100m	White
	<b>ACX0990</b>	152M	100m	Light Blue
	<b>ACX0991</b>	152M	100m	Brown
	<b>ACX0992</b>	152M	100m	Yellow
	<b>ACX0993</b>	152M	100m	Orange
	<b>ACX0994</b>	152M	100m	Pink
	<b>ACX0995</b>	152M	100m	Grey
	<b>ACX0996</b>	152M	100m	Violet
	<b>ACX0997</b>	152M	100m	Light Blue
	<b>ACX0998</b>	152M	100m	Green/Yellow



## 5mm Single Core Marine Cable

Suitable for voltages up to 120V  
 Amp rating: 20A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 50  
 Conductor strand diameter: 0.25mm  
 Conductor cross section: 2.5mm<sup>2</sup>  
 Insulation: PVC to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0886</b>	154M	100m	Black
	<b>ACX0888</b>	154M	100m	Red
	<b>ACX0889</b>	154M	100m	White
	<b>ACX0891</b>	154M	100m	Brown
	<b>ACX0893</b>	154M	100m	Orange



## 6mm Single Core Marine Cable

Suitable for voltages up to 120V  
 Amp rating: 30A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 65  
 Conductor strand diameter: 0.3mm  
 Conductor cross section: 4.59mm<sup>2</sup>  
 Insulation: PVC to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Illustration	Part No.	NZ Ref.	Length	Colour
	<b>ACX0963</b>	156M	50m	Red
	<b>ACX0965</b>	156M	50m	Black



## 3mm Twin Core Marine Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 10A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 32  
 Conductor strand diameter: 0.20mm  
 Conductor cross section: 1.0mm<sup>2</sup>  
 Insulation: PVC and Sheathed to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant

Part No.	NZ Ref.	Length	Colour
ACX0970	157M	50m	Red/Black
ACX0970L	157M	100m	



## 4mm Twin Core Marine Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 30  
 Conductor strand diameter: 0.25mm  
 Conductor cross section: 1.5mm<sup>2</sup>  
 Insulation: PVC & sheathed to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0966	153M	50m	Red/Black
ACX0966L	153M	100m	



## 6mm Twin Core Marine Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 30A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 65  
 Conductor strand diameter: 0.3mm  
 Conductor cross section: 4.59mm<sup>2</sup>  
 Insulation: PVC & sheathed to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Part No.	NZ Ref.	Length	Colour
ACX0967	157M	50m	Red/Black
ACX0967L	157M	100m	



## 2 B&S Battery Cable Marine

Suitable for voltages up to 120V  
 Amp rating: 190A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 455  
 Conductor strand diameter: 0.3mm  
 Conductor cross section: 32.15mm<sup>2</sup>  
 Insulation: PVC to AS/NZS3191  
 Temp rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

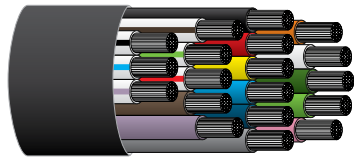
Illustration	Part No.	Length	Colour
	ACX0949	30m	Black
	ACX0969	30m	Red



## 4mm Three Core Marine Cable Sheath

Suitable for voltages up to 120V  
 Amp rating: 15A @ 30°C  
 Conductor material: Tinned annealed copper  
 Number of conductor strands: 26  
 Conductor strand diameter: 0.3mm  
 Conductor cross section: 1.84mm<sup>2</sup>  
 Insulation: PVC & Sheathed to AS/NZS3191  
 Temp Rating: V90 (90°C)  
 RoHS compliant  
 Tinned annealed  
 Oxygen free copper

Part No.	Length	Colour
ACX0968	50m	White, Brown, Yellow



## 4mm 19 Core Marine Cable Sheath

Tinned copper conductors  
19 cores colour coded

Part No.	NZ Ref.	Length	Colour
<b>ACX0999</b>	152M	50m	Single colours: Black, Red, White, Yellow, Dark Green, Light Green, Dark Blue, Light Blue, Pink, Orange, Gray, Violet, Brown Trace colours: White/Red, White/Green, White/Brown, White/Violet, White/Blue, White/Black



## 2 B&S Assembly POST-STUD

Nominal rating: 245A (60% duty cycle over 5 min)  
Black PVC outer sheath  
Die crimped, solder dipped copper lugs and brass terminals

Part No.	Length	Colour
<b>ACX1000</b>	150mm	Black
<b>ACX1001</b>	200mm	Black
<b>ACX1003</b>	260mm	Black
<b>ACX1004</b>	300mm	Black
<b>ACX1005</b>	380mm	Black
<b>ACX1006</b>	460mm	Black
<b>ACX1007</b>	540mm	Black
<b>ACX1008</b>	610mm	Black
<b>ACX1009</b>	680mm	Black
<b>ACX1010</b>	760mm	Black
<b>ACX1012</b>	920mm	Black
<b>ACX1014</b>	1,060mm	Black
<b>ACX1015</b>	1,220mm	Black
<b>ACX1016</b>	1,370mm	Black
<b>ACX1017</b>	1,525mm	Black
<b>ACX1070R</b>	1,525mm	Red
<b>ACX1019</b>	1,830mm	Black
<b>ACX1020</b>	2,140mm	Black
<b>ACX1021</b>	2,490mm	Black







## 00 B&S Assembly POST-STUD

Nominal rating: 360A (60% duty cycle over 5 min)

Black PVC outer sheath

Die crimped, solder dipped copper lugs and brass terminals

Part No.	Length	Colour
ACX1034	300mm	Black
ACX1035	380mm	Black
ACX1036	460mm	Black
ACX1038	610mm	Black
ACX1042	1060mm	Black



## 2 B&S Assembly POST-POST

Nominal rating: 360A (60% duty cycle over 5 min)

Black PVC outer sheath

Die crimped, solder dipped copper lugs and brass terminals

Part No.	Length	Colour
ACX1023	150mm	Black
ACX1024	205mm	Black
ACX1025	230mm	Black
ACX1026	255mm	Black
ACX1027	305mm	Black
ACX1028	380mm	Black
ACX1030	455mm	Black
ACX1031	535mm	Black



## 00 B&S Assembly POST-POST

Nominal rating: 360A (60% duty cycle over 5 min)

Black PVC outer sheath

Die crimped, solder dipped copper lugs and brass terminals

Part No.	Length	Colour
ACX1049	200mm	Black
ACX1050	230mm	Black
ACX1051	260mm	Black
ACX1052	305mm	Black
ACX1053	380mm	Black



## 3 B&S Assembly & Alternator Cable

Nominal Rating: 200A (60% duty cycle over 5 min)

PVC outer sheath

Die crimped, solder dipped copper lugs and brass terminals

Part No.	Colour
ACX1074	Black



## 2 B&S Assembly STUD-STUD

Nominal rating: 245A (60% duty cycle over 5 min)

Black PVC outer sheath

Die crimped, solder dipped copper lugs and brass terminals

Part No.	Length	Colour
ACX1059	230mm	Black
ACX1060	300mm	Black
ACX1061	380mm	Black
ACX1062	460mm	Black
ACX1063	540mm	Black
ACX1064	610mm	Black
ACX1065	680mm	Black
ACX1066	760mm	Black
ACX1067	920mm	Black
ACX1068	1,060mm	Black
ACX1069	1,220mm	Black
ACX1070	1,520mm	Black
ACX1071	1,830mm	Black
ACX1076	2,500mm	Black
ACX1077	3,000mm	Black



## 00 B&S Assembly STUD-STUD

Nominal rating: 245A (60% duty cycle over 5 min)

Black PVC outer sheath

Die crimped, solder dipped copper lugs and brass terminals

Part No.	Length	Colour
ACX1078	300mm	Black
ACX1079	380mm	Black
ACX1080	460mm	Black
ACX1081	610mm	Black
ACX1082	920mm	Black
ACX1083	1,220mm	Black

## 50A Anderson Connector

Suits cable up to 8 B&S  
 Single piece polycarbonate housing  
 Silver plated contact terminals  
 Mechanically keyed for polarity protection  
 Genuine Anderson

Part No.	Description	Dimensions	Colour	Pack Qty
<b>ACX2760</b>	50A Inline Connector	16 x 36 x 48mm	Grey	1 Pair per Pack
<b>ACX2760B</b>	50A Inline Connector	16 x 36 x 48mm	Grey	1 Pair per Pack
<b>ACX2761</b>	50A Inline Connector	16 x 36 x 48mm	Red	1 Pair per Pack
<b>ACX2766</b>	50A Anderson Connector	16 x 36 x 48mm	Blue	1 Pair per Pack



## ACX2760T

### 50A Anderson Plug Terminals

Terminals to suit 50A connectors  
 Silver plated copper  
 Suits cable up to 8 B&S



## ACX2760C

### Cover Suit 50A Anderson Connector

Weatherproof cover to suit 50A connector



## ACX2768

### Fully Enclosed Housing to suit 50A Anderson Plug

Plug not included



## ACX2767

### 120A Anderson Connector Grey

Grey in colour  
 Suits cable up to 6 B&S  
 Single piece polycarbonate housing  
 Silver plated contact terminals  
 Mechanically keyed for polarity protection  
 Dimensions: 20x44x63mm  
 1 Pair per pack  
 Genuine Anderson



**OEX**

## 175A Inline Connectors

Suits cable up to 2 B&S  
 Single piece polycarbonate housing  
 Silver plated contact terminals  
 Mechanically keyed for polarity protection  
 Genuine Anderson

Part No.	Description	Dimensions	Colour	Pack Qty
<b>ACX2762</b>	175A Inline Connector	25 x 54 x 79mm	Grey	1 Pair per Pack
<b>ACX2762B</b>	175A Inline Connector	25 x 54 x 79mm	Grey	1 Pair per Pack
<b>ACX2763</b>	175A Inline Connector	25 x 54 x 79mm	Red	1 Pair per Pack

**OEX**

## ACX2762C

### Cover Suit 175A Anderson Connector

Weatherproof cover to suit 175A connector

**OEX**

## 350A Inline Connectors

Suits cable up to 1 B&S  
 Single piece polycarbonate housing  
 Silver plated contact terminals  
 Mechanically keyed for polarity protection  
 Genuine Anderson

Part No.	Description	Dimensions	Colour	Pack Qty
<b>ACX2764</b>	350A Inline Connector	33 x 70 x 108mm	Grey	1 Pair per Pack
<b>ACX2764B</b>	350A Inline Connector	33 x 70 x 108mm	Grey	1 Pair per Pack
<b>ACX2765</b>	350A Inline Connector	33 x 70 x 108mm	Red	1 Pair per Pack

**OEX**

## ACX2764C

### Cover Suit 350A Anderson Connector

Weatherproof cover to suit 150A connector



## DTMN Connectors

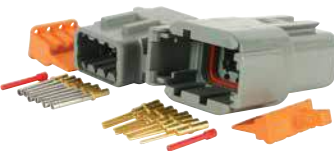
Part No.	Description	Pins	Pack Qty
<b>ACX2983/5</b>	2 way DTMN receptacle	2	5
<b>ACX2984/5</b>	2 way DTMN plug	2	5

# DTM Connector Kits

7.5A per circuit  
Solid terminals



Part No.	Description	Pins
<b>ACX2900</b>	1x DTM04-2P receptacle 1x DTM06-2S plug 2x 0460-202-20141 pin 2x 0462-201-20141 socket	2
<b>ACX2901</b>	1x DTM04-3P receptacle 1x DTM06-3S plug 3x 0460-202-20141 pin 3x 0462-201-20141 socket	3
<b>ACX2902</b>	1x DTM04-4P receptacle 1x DTM06-4S plug 4x 0460-202-20141 pin 4x 0462-201-20141 socket	4
<b>ACX2903</b>	1x DTM04-6P receptacle 1x DTM06-6S plug 6x 0460-202-20141 pin 6x 0462-201-20141 socket	6
<b>ACX2904</b>	1x DTM04-8P receptacle 1x DTM06-8S plug 8x 0460-202-20141 pin 8x 0462-201-20141 socket	8
<b>ACX2905</b>	1x DTM04-12P receptacle 1x DTM06-12S plug 12x 0460-202-20141 pin 12x 0462-201-20141 socket	12







## DTM Connectors

Terminals not included

Terminals for male plug - ACX2300 (nickel) & ACX2998 (gold)

Terminals for female socket - ACX2999 (nickel) & ACX2997 (gold)

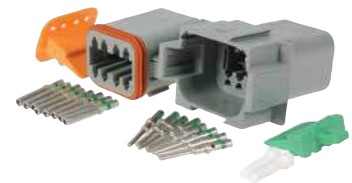
Part No.	Description	Terminals	Pins	Pack Qty
<b>ACX2985S/5</b>	2 pin DTM receptacle	16	2	5
<b>ACX2985W/20</b>	Wedge to suit 2 pin male	20	2	20
<b>ACX2986P/5</b>	2 pin DTM receptacle	16	2	5
<b>ACX2986W/20</b>	Wedge to suit 2 pin female	20	2	20
<b>ACX2987S/5</b>	3 pin DTM plug	16	3	5
<b>ACX2987W/20</b>	Wedge to suit 3 pin male	20	3	20
<b>ACX2988P/5</b>	3 pin DTM receptacle	16	3	5
<b>ACX2988W/20</b>	Wedge to suit 3 pin female	20	3	20
<b>ACX2989S/5</b>	4 pin DTM plug	16	4	5
<b>ACX2989W/20</b>	Wedge to suit 4 pin male	20	4	20
<b>ACX2990P/5</b>	4 pin DTM receptacle	20	4	5
<b>ACX2990W/20</b>	Wedge to suit 4 pin female	20	4	20
<b>ACX2991S/5</b>	6 pin DTM plug	16	6	5
<b>ACX2991W/5</b>	Wedge to suit 6 way DTM plug	20	6	5
<b>ACX2992P/5</b>	6 pin DTM receptacle	16	6	5
<b>ACX2992W/20</b>	Wedge to suit 6 pin female	20	6	20
<b>ACX2993S/5</b>	8 pin DTM plug	16	8	5
<b>ACX2993W/20</b>	Wedge to suit 8 pin male	20	8	20
<b>ACX2994P/5</b>	8 pin DTM receptacle	16	8	5
<b>ACX2994W/20</b>	Wedge to suit 8 pin female	16	8	20
<b>ACX2995S/5</b>	12 pin DTM plug	20	12	5
<b>ACX2995W/20</b>	Wedge to suit 12 pin male	20	12	20
<b>ACX2996P/5</b>	12 pin DTM receptacle	16	12	5
<b>ACX2996W/20</b>	Wedge to suit 12 pin female	20	12	20
<b>ACX2978/5</b>	Mounting tag to suit DT/DTM sockets	16	1	5
<b>ACX2979/5</b>	Mounting tag to suit 8 way DT/DTM sockets	16	8	5
<b>ACX2963</b>	Blanks to suit DTM Connect (Red)	20	1	20

# DT Connector Kits Solid Terminals No. 16



13A per circuit  
Nickle

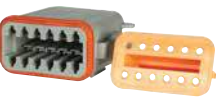
Part No.	Description	Pins	Pack Qty
<b>ACX2910</b>	1x DT04-2P receptacle 1x DT06-2S plug 1x W2S pin lock 1x W2P socket lock 2x 0460-215-16141 pin 2x 0462-209-16141 socket 10 Pack available: <b>ACX2910/10</b>	2	1 pair
<b>ACX2911</b>	1x DT04-3P receptacle 1x DT06-3S plug 1x W23S pin lock 1x W3P socket lock 3x 0460-215-16141 pin 3x 0462-209-16141 socket 10 Pack available: <b>ACX2911/10</b>	3	1 pair
<b>ACX2912</b>	1x DT04-4P receptacle 1x DT06-4S plug 1x W4S pin lock 1x W4P socket lock 4x 0460-215-16141 pin 4x 0462-209-16141 socket 10 Pack available: <b>ACX2912/10</b>	4	1 pair
<b>ACX2913</b>	1x DT04-6P receptacle 1x DT06-6S plug 1x W6S pin lock 1x W6P socket lock 6x 0460-215-16141 pin 6x 0462-209-16141 socket 10 Pack available: <b>ACX2913/10</b>	6	1 pair
<b>ACX2914</b>	1x DT04-8P receptacle 1x DT06-8S plug 1x W8S pin lock 1x W8P socket lock 8x 0460-215-16141 pin 8x 0462-209-16141 socket 10 Pack available: <b>ACX2914/10</b>	8	1 pair
<b>ACX2915</b>	1x DT04-12P receptacle 1x DT06-12S plug 1x W12S pin lock 1x W12P socket lock 12x 0460-215-16141 pin 12x 0462-209-16141 socket 10 Pack available: <b>ACX2915/10</b>	12	1 pair



## DT Connectors

13A per circuit

Nickel



Part No.	Description	Pins	Pack Qty
<b>ACX2965S/5</b>	2 pin male plug	2	5
<b>ACX2965W/20</b>	Wedge to suit 2 pin male plug	2	20
<b>ACX2965/50</b>	DT connector kits with wedge	2	50
<b>ACX2966P/5</b>	2 pin female socket	2	5
<b>ACX2966W/20</b>	Wedge to suit 2 pin female socket	2	20
<b>ACX2966/50</b>	DT connector kits with wedge	2	50
<b>ACX2967S/5</b>	3 pin male plug	3	5
<b>ACX2967W/20</b>	Wedge to suit 3 pin male plug	3	20
<b>ACX2967/50</b>	DT connector kits with wedge	3	50
<b>ACX2968P/5</b>	3 pin female socket	3	5
<b>ACX2968W/20</b>	Wedge to suit 3 pin female socket	3	20
<b>ACX2968/50</b>	DT connector kits with wedge	3	50
<b>ACX2969S/5</b>	4 pin male plug	4	5
<b>ACX2969W/20</b>	Wedge to suit 4 pin male plug	4	20
<b>ACX2969/50</b>	DT connector kits with wedge	4	50
<b>ACX2970P/5</b>	4 pin female socket	4	5
<b>ACX2970W/20</b>	Wedge to suit 4 pin female socket	4	20
<b>ACX2970/50</b>	DT connector kits with wedge	4	50
<b>ACX2971S/5</b>	6 pin male plug	6	5
<b>ACX2971W/20</b>	Wedge to suit 6 pin male plug	6	20
<b>ACX2972P/5</b>	6 pin female socket	6	5
<b>ACX2972W/20</b>	Wedge to suit 6 pin female socket	6	20
<b>ACX2972/50</b>	DT connector kits with wedge	6	50
<b>ACX2973S/5</b>	8 pin male plug	8	5
<b>ACX2973W/20</b>	Wedge to suit 8 pin male plug	8	20
<b>ACX2974P/5</b>	8 pin female socket	8	5
<b>ACX2974W/20</b>	Wedge to suit 8 pin female socket	8	20
<b>ACX2974/50</b>	DT connector kits with wedge	8	50
<b>ACX2975S/5</b>	12 pin male plug	12	5
<b>ACX2975W/20</b>	Wedge to suit 12 pin male plug	12	20
<b>ACX2976P/5</b>	12 pin female socket	12	5
<b>ACX2976W/20</b>	Wedge to suit 12 pin female socket	12	20

# DTP Connector Kit No. 12

25A per circuit  
Solid terminals  
1 male plug & 1 female socket



Part No.	Description
<b>ACX2906</b>	1x DTP04-2P plug
	1x DTP04-25 receptacle
	1x WR2P wedge
	1x WP2S wedge
	2x 0460-204-12141 pins 2x 0462-203-12141 sockets
<b>ACX2907</b>	1x DTP04-2P plug
	1x DTP04-25 receptacle
	1x WR2P wedge
	1x WP2S wedge
	4x 0460-204-12141 pins
	4x 0462-203-12141 sockets



# Black DT Connector Kit with Wedge No. 16

To suit Caterpillar applications  
13A per circuit  
Solid terminals



Part No.	Description	Pins	Pack Qty
<b>ACX3200</b>	2 way kit	2	1
<b>ACX3200PW/50</b>	2 way plug & wedge	2	50
<b>ACX3200RW/50</b>	2 way socket & wedge	2	50
<b>ACX3201</b>	3 way kit	3	1
<b>ACX3201PW/50</b>	3 way plug & wedge	3	50
<b>ACX3201RW/50</b>	3 way socket & wedge	3	50
<b>ACX3202</b>	4 way kit	4	1
<b>ACX3202PW/50</b>	4 way plug & wedge	4	50
<b>ACX3202RW/50</b>	4 way socket & wedge	4	50
<b>ACX3203</b>	6 way kit	6	1
<b>ACX3203PW/50</b>	6 way plug & wedge	6	50
<b>ACX3203RW/50</b>	6 way socket & wedge	6	50
<b>ACX3204</b>	8 way kit	8	1
<b>ACX3204PW/50</b>	8 way plug & wedge	8	50
<b>ACX3204RW/50</b>	8 way socket & wedge	8	50
<b>ACX3205</b>	12 way kit	12	1
<b>ACX3205PW/50</b>	12 way plug & wedge	12	50
<b>ACX3205RW/50</b>	12 way socket & wedge	12	50





## Deutsch Terminals

13A per circuit

Part No.	Description	Terminal Style	Material	Pack Qty
<b>ACX2981</b>	DT socket 14AWG	Female	Nickle	20
<b>ACX2981/100</b>	DT socket 14AWG	Female	Nickle	100
<b>ACX2994</b>	DT socket 14AWG	Female	Gold	20
<b>ACX2996</b>	DT socket 16AW	Female	Gold	20
<b>ACX2980</b>	DT pin 14AWG	Male	Nickle	20
<b>ACX2980/100</b>	DT pin 14AWG	Male	Nickle	100
<b>ACX2993</b>	DT pin 14AWG	Male	Gold	20
<b>ACX2995</b>	DT pin 16AWG	Male	Gold	20
<b>ACX2982</b>	Blanks to suit DT connector (white)	Blank	White plastic	20
<b>ACX2300</b>	DTM 20AWG	Female	Nickel	20
<b>ACX2999</b>	DTM 20AWG	Male	Nickel	20
<b>ACX2998</b>	DTM 20AWG	Female	Gold	20
<b>ACX2997</b>	DTM 20AWG	Male	Gold	20



## Bulk Head Connector Kits



Part No.	Part	Pins	Description	Pack Qty
<b>ACX2920</b>	Deutsch HD10 series 9 pin kit	9	1x HD10-9-1939PE 1x HD16-9-1939PE 1x HDC16-9 9x 0460-202-1631 6x 114017 9x 0462-201-1631 1x 0411-310-1605	1x male plug 1x female socket with terminals & removal tool
<b>ACX2921</b>	Deutsch HD30 series KIT18-8PB-N	8	1x HD36-18-8SN 1x HD34-18-8PN 1x 114021 1x 114020-90 4x 114017 1x 114010 8x 0462-203-12141 8x 0460-204-12141	1x male plug 1x female socket with removal tool
<b>ACX2922</b>	Deutsch HDP20 series KIT24-31PB-T	31	KIT24-31PB-T 31x pins 14x AWG contacts T-seal Male pins go into plug	1x male plug 1x female socket with removal tool





# Bulk Head Connector Kits



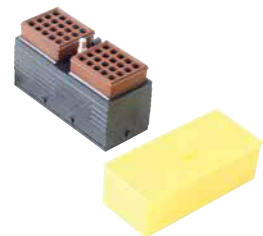
Part No.	Part	Pins	Description	Pack Qty
<b>ACX2923</b>	Deutsch HDP20 series KIT24-31SB-T	31	KIT24-31SB-T 31x pins 14x AWG contacts T-seal Male pins go into threaded base	1x male plug 1x female socket with removal tool
<b>ACX2924</b>	Deutsch HD30 series KIT24-31PB-T	31	KIT24-31PB-T 31x pins 16x AWG contacts T-seal Metal housing Male pins go into threaded base	1x male plug 1x female socket with removal tool
<b>ACX2925</b>	Deutsch HD30 series SB 24-31SB-T	31	1x HD36-24-31PT 1x HD34-24-31ST 1x 112263-90 1x 112264 35x 0462-209-16141 10x 114017 35x 0460-215-16141 1x 0411-310-1605	1x male plug 1x female socket with removal tool
<b>ACX2926</b>	Deutsch HD30 series KIT24-23PB-N	23	KIT24-31PB-N 31x pins 14x AWG contacts N-seal Metal housing Male pins go into threaded base	1x male plug 1x female socket with removal tool
<b>ACX2927</b>	Deutsch HD30 series KIT24-23-SB-N	23	1x HD34-24-23SN 1x 112264 25x 0460-215-16141 1x HD36-24-23PN 25x 0462-209-16141 1x 0411-310-1605 1x 112263-90 10 x 114017	1x male plug 1x female socket with removal tool



## ACX2955

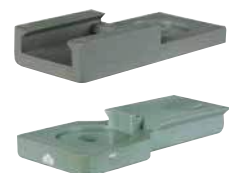
### Deutsch 40 Pin DT Plug

Deutsch HD30 series KIT16-31-SB-T  
40 pin plug



## DT/DTM Mounting Tags No. 16

Part No.	Description	Pack Qty
<b>ACX2983/5</b>	To suit DT/DTM receptacle	5
<b>ACX2984/5</b>	8 way mounting tag to suit DT/DTM sockets	5






## Contact Removal Tools

Part No.	Description	Colour
<b>ACX2947</b>	No. 14	Green
<b>ACX2948</b>	No. 16	Light blue
<b>ACX2949</b>	No. 16 E-seal	Dark blue
<b>ACX2950</b>	No. 20	Red




## ACX2960

### 7 Piece Deutsch Removal Tool Kit

Sizes 4, 8, 12, 14, 16, 20

Comes with small flat blade/hook removal tool

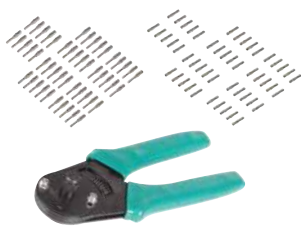
Comes in its own plastic case




## Deutsch Solid Contact Crimp Tools No. 16 & 20

Solid terminals giving excellent strength & conductivity

Part No.	Description
<b>ACX2941</b>	DT solid contact crimp tool no. 16
<b>ACX2940</b>	DTM solid contact crimp tool no. 20
<b>ACX2942</b>	Adjustable crimp tool designed specifically for Deutsch DTP, suits no. 12 solid terminals giving excellent strength and conductivity

## DTP Terminals & Tools No. 12

Part No.	Description	Terminal Style	Material	Pack Qty
<b>0460-204-12141X50</b>	DTP 12AWG	Male	Nickle	50
<b>0462-203-12141X50</b>	DTP 12AWG	Male	Nickle	50




## ACX2933

### Deutsch DT/HDT/HD30 Repair Kit No. 16

Kit contains appropriate contacts, tool, blanks to repair Deutsch DT series

50x Pins

50x Sockets

1x Crimping Tool

25x Blanks

2x Contact Removal Tools

# ACX2930

## Deutsch DTM Kit No. 20

Kit contains popular DTM connectors with crimp tool



Description	Replacement Part No.	Pack Qty
2 pin receptacle	ACX2983/5	6
2 pin plug	ACX2984/5	6
2 pin DTM receptacle	ACX2986P/5	5
Wedge to suit 2 pin DTM receptacle	ACX2986W/20	5
2 pin DTM plug	ACX2985S/5	5
Wedge to suit 2 pin DTM plug	ACX2985W/20	5
3 pin DTM receptacle	ACX2988P/5	4
Wedge to suit 3 pin DTM receptacle	ACX2988W/20	4
3 pin DTM plug	ACX2987S/5	4
Wedge to suit 3 pin DTM plug	ACX2987W/20	4
4 pin DTM plug	ACX2989S/5	3
Wedge to suit 4 pin DTM plug	ACX2989W/20	3
4 pin DTM receptacle	ACX2990P/5	3
Wedge to suit 4 pin DTM receptacle	ACX2990W/20	3
6 pin DTM plug	ACX2991S/5	2
Wedge to suit 6 pin DTM plug	ACX2991W/20	2
6 pin DTM receptacle	ACX2992P/5	2
Wedge to suit 6 pin DTM receptacle	ACX2992W/20	2
8 pin DTM plug	ACX2993S/5	1
Wedge to suit 8 pin DTM plug	ACX2993W/20	1
8 pin DTM receptacle	ACX2994P/5	1
Wedge to suit 8 pin DTM receptacle	ACX2994W/20	1
12 pin DTM plug	ACX2995S/5	1
Wedge to suit 12 pin DTM plug	ACX2995W/20	1
12 pin DTM receptacle	ACX2996P/5	1
Wedge to suit 12 pin DTM receptacle	ACX2996W/20	1
Mounting tags to suit DT / DTM receptacles	ACX2978/5	3
Deutsch DT blanking plugs red	ACX2953	20
DTM pins solid	ACX2997	70
DTM sockets	ACX2998	70
No. 20 DTM solid contact tool	ACX2940	1



## ACX2931

### Deutsch DT 229 Piece Kit No. 16

Kit contains No. 16 solid contact crimping tool

Description	Replacement Part No.	Pack Qty
2 pin DT plug	ACX2965S/5	5
Wedge to suit 2 pin DT plug	ACX2965W/20	5
2 pin DT socket	ACX2966P/5	5
Wedge to suit 2 pin DT plug	ACX2966W/20	5
3 pin DT plug	ACX2967S/5	4
Wedge to suit 3 pin plug	ACX2967W/20	4
3 pin DT socket	ACX2968P/5	4
Wedge to suit 3 pin DT socket	ACX2968W/20	4
4 pin DT plug	ACX2969S/5	3
Wedge to suit 4 pin DT plug	ACX2969W/20	3
4 pin DT socket	ACX2970P/20	3
Wedge to suit 4 pin DT socket	ACX2970W/20	3
6 pin DT plug	ACX2971S/5	2
Wedge to suit 6 pin DT plug	ACX2971W/20	2
6 pin DT socket	ACX2972P/5	2
Wedge to suit 6 pin DT socket	ACX2972W/20	2
8 pin DT plug	ACX2973S/5	1
Wedge to suit 8 pin DT plug	ACX2973W/20	1
8 pin DT socket	ACX2974P/5	1
Wedge to suit 8 pin DT socket	ACX2974W/20	1
12 pin DT plug	ACX2975S/5	1
Wedge to suit 12 pin DT plug	ACX2975W/20	1
12 pin DT socket	ACX2976P/5	1
Wedge to suit 12 pin DT socket	ACX2976W/20	1
Mounting tag to suit DT / DTM sockets	ACX2978/5	3
Mounting tag to suit 8 pin sockets	ACX2979/5	1
Blanking plugs to suit DT	ACX2982	20
Solid DT male pins (nickel)	ACX2980	70
Solid DT female pins (nickel)	ACX2981	70
No. 16 DT solid contact crimping tool	ACX2941	1

# ACX2932

## DT 229 Piece Connector Kit No. 16

To suit Caterpillar applications

Kit contains No. 16 solid contact crimping tool



Description	Replacement Part No.	Pack Qty
2 pin male plug	ACX3200PW/50	5
2 pin female socket	ACX3200RW/50	5
3 pin male plug	ACX3201PW/50	4
3 pin female socket	ACX3201RW/50	4
4 pin male plug	ACX3202PW/50	3
4 pin female socket	ACX3202RW/50	3
6 pin male plug	ACX3203PW/50	2
6 pin female socket	ACX3203RW/50	2
8 pin male plug	ACX3204PW/50	1
8 pin female socket	ACX3204RW/50	1
12 pin male plug	ACX3205PW/50	1
12 pin female socket	ACX3205RW/50	1
Boot to suit 2 pin male plug	DT2PBT-120	1
Boot to suit 2 pin female socket	DT2SBT-120	1
Boot to suit 3 pin male plug	DT3PBT-120	1
Boot to suit 3 pin female socket	DT3SBT-120	1
Boot to suit 4 pin male plug	DT4PBT-120	1
Boot to suit 4 pin female socket	DT4SBT-120	1
Boot to suit 6 pin male plug	DT6PBT-120	1
Boot to suit 6 pin female socket	DT6SBT-120	1
Boot to suit 8 pin male boot	DT8PBT-120	1
Boot to suit 8 pin female socket	DT8SBT-120	1
Boot to suit 12 pin male plug	DT12PBT-120	1
Boot to suit 12 pin female socket	DT12SBT-120	1
No.16 crimp tool	ACX2941	1
Blanking plugs to suit DT connectors	ACX2982	12
Solid DT 16 pins	0460-202-16141	70
Solid DT 16 sockets	0460-201-16141	70







## Weather Pack Connector Kits

Kits includes:  
1x plug & 1x socket  
Wire seals  
Female & male terminal

Part No.	Description
<b>ACX3191</b>	1 way kit
<b>ACX3192</b>	2 way kit
<b>ACX3193</b>	3 way kit
<b>ACX3194</b>	4 way kit
<b>ACX3196</b>	6 way kit



## Weather Pack Connectors - Plugs & Sockets

Part No.	Description	Pins	Pack Qty
<b>WP-1P5</b>	1 way plug	1	5
<b>12015791-10</b>	1 way plug	1	10
<b>12015791-100</b>	1 way plug	1	100
<b>WP-1S5</b>	1 way socket	1	5
<b>12010996-10</b>	1 way socket	1	10
<b>12010996-100</b>	1 way socket	1	100
<b>WP-2P5</b>	2 way plug	2	5
<b>12015792-10</b>	2 way plug	2	10
<b>12015792-100</b>	2 way plug	2	100
<b>WP-2S5</b>	2 way socket	2	5
<b>12010973-10</b>	2 way socket	2	10
<b>12010973-100</b>	2 way socket	2	100
<b>WP-3P5</b>	3 way plug	3	5
<b>12015793-10</b>	3 way plug	3	10
<b>12015793-100</b>	3 way plug	3	100
<b>WP-3S5</b>	3 way socket	3	5
<b>12010717-10</b>	3 way socket	3	10
<b>12010717-100</b>	3 way socket	3	100
<b>WP-4P4</b>	4 way plug	4	4
<b>12015797-10</b>	4 way plug	4	10
<b>12015797-100</b>	4 way plug	4	100
<b>WP-4S4</b>	4 way socket	4	4
<b>12010974-10</b>	4 way socket	4	10
<b>12010974-100</b>	4 way socket	4	100
<b>WP-6P3</b>	6 way plug	6	4
<b>12015799-10</b>	6 way plug	6	10
<b>WP-6S3</b>	6 way socket	6	4
<b>12010975-10</b>	6 way socket	6	10



## Weather Pack Connectors - Seals & Terminals



Part No.	Brand	Description	Pack Qty
12015323-100	DELPHI	Weather pack wire seal	100
12010300-100	DELPHI	Weather pack blanking seal	100
12124580-100	DELPHI	Size 16- 14 AWG female terminal	100
12124581-100	DELPHI	Size 12 - 10 AWG female terminal	100
12124582-100	EMAX	Size 16 - 14 AWG male terminal	100
12124587-100	EMAX	Size 12 - 10 AWG male terminal	100



## QC Connectors - Female White Sockets

Includes locking tabs and tinned terminals  
 10x housings with terminals per pack  
 Cable range: 2 - 4mm<sup>2</sup>  
 Power rating: 20A  
 Material: Brass



Part No.	Pins	Pack Qty
ACX2680	1	10
ACX2681	2	10
ACX2682	3	10
ACX2683	4	10
ACX2684	6	10
ACX2685	8	10



## QC Connectors - Female Black Sockets

Quick connect plugs & sockets with locking tab  
 10x housings with terminals per pack  
 Cable range: 2 - 4mm<sup>2</sup>  
 Power rating: 20A  
 Material: Tin plated brass



Part No.	Pins	Pack Qty
ACX2680BK	1	10
ACX2681BK	2	10
ACX2682BK	3	10
ACX2683BK	4	10
ACX2684BK	6	10
ACX2685BK	8	10





## QC Connectors - Male White Sockets

Includes locking tabs and tinned terminals  
 10x housings with terminals per pack  
 Cable range: 2 - 4mm<sup>2</sup>  
 Power rating: 20A  
 Material: Brass

Part No.	Pins
<b>ACX2686</b>	1
<b>ACX2687</b>	2
<b>ACX2688</b>	3
<b>ACX2689</b>	4
<b>ACX2690</b>	6
<b>ACX2691</b>	8



## QC Connectors - Male Black Sockets

Quick connect plugs & sockets with locking tab  
 10x housings with terminals per pack  
 Cable range: 2 - 4mm<sup>2</sup>  
 Power rating: 20A  
 Material: Tin plated brass

Part No.	Pins
<b>ACX2686BK</b>	1
<b>ACX2687BK</b>	2
<b>ACX2688BK</b>	3
<b>ACX2689BK</b>	4
<b>ACX2690BK</b>	6
<b>ACX2691BK</b>	8



## QC Connectors Kits - Male/Female White Sockets

Includes locking tabs and tinned terminals  
 1 pair of housings with terminals per pack  
 Cable range: 2 - 4mm<sup>2</sup>  
 Power rating: 20A  
 Material: Brass

Part No.	Pins
<b>ACX2692BL</b>	1
<b>ACX2693BL</b>	2
<b>ACX2694BL</b>	3
<b>ACX2695BL</b>	4
<b>ACX2696BL</b>	6
<b>ACX2697BL</b>	8

## QC Connectors Kits Without Locking Tab - White Sockets

Cable range: 2 - 4mm<sup>2</sup>

Power rating: 20A

Material: Brass

Part No.	Description	Pins	Pack Qty
<b>ACX2730</b>	Male	2	10
<b>ACX2731</b>	Female	2	10
<b>ACX2732BL</b>	Female/male, 1 pair of housings with terminals per pack	2	1 kit
<b>ACX2733</b>	Male	3	10
<b>ACX2734</b>	Female	3	10
<b>ACX2735BL</b>	Female/male, 1 pair of housings with terminals per pack	3	1 kit
<b>ACX2736</b>	Male	4	10
<b>ACX2737</b>	Female	4	10
<b>ACX2738BL</b>	Female/male, 1 pair of housings with terminals per pack	4	1 kit
<b>ACX2739</b>	Male	6	10
<b>ACX2740</b>	Female	6	10
<b>ACX2741BL</b>	Female/male, 1 pair of housings with terminals per pack	6	1 kit
<b>ACX2742</b>	Male	8	10
<b>ACX2743</b>	Female	8	10
<b>ACX2744BL</b>	Female/male, 1 pair of housings with terminals per pack	8	1 kit

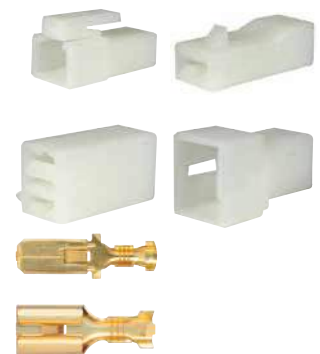


**OEX**

CONNECTORS

## Fusible Link Connectors - Heavy Duty White

Part No.	Description	Pins	Pack Qty
<b>ACX2724</b>	Single female	1	10
<b>ACX2725</b>	Single male	1	10
<b>ACX2726</b>	Double female	2	10
<b>ACX2727</b>	Double male	2	10
<b>ACX3096</b>	Male spade non-insulated brass 8mm	2	25
<b>ACX3097</b>	Female spade non-insulated brass 8mm	2	25



**OEX**

## ACX2753BL

### 2 Pole Waterproof Prewired Connector

2 pole bullet type connectors, polarized to assure proper mating of circuits with moulded weatherproof bodies and colour coded 4mm wire. 6 long conductors are properly aligned and bonded in insulation to assure minimum voltage drop and ease in connecting

Polarity protected

Pair per pack



AMPS  
16A



**OEX**



## Hirschmann Plugs - Valve Connector

Part No.	Description	Current Rating	Pins	Pack Qty
934-618-001	Hydraulic solenoid plug	16A @ 12V	2	10
934-618-002	Hydraulic solenoid plug	16A @ 12V	3	10
934-618-003	Hydraulic solenoid plug with yellow LED	8A @ 24V	2	10



### ACX3145BL

#### 250A Stud Single Terminal Red

Connection points for distribution of power & earth  
8mm stainless steel studs glass filled nylon base with a rating of 250A



### ACX3146BL

#### 250A Stud Single Terminal Black

Connection points for distribution of power & earth  
8mm stainless steel studs glass filled nylon base with a rating of 250A



### ACX3157

#### 250A Dual Stud Terminal Red

Connection points for distribution of power & earth  
8mm stainless steel studs glass filled nylon base with a rating of 250A



### ACX3158

#### 250A Dual Stud Terminal Black

Connection points for distribution of power & earth  
8mm stainless steel studs glass filled nylon base with a rating of 250A



### ACX0032

#### Single Jump Start Stud Red

Red cap - positive  
Grooved brass contact post 28.8mm long  
20.6mm diameter with brass hex nut and lock washer  
Two 3/8-16" thread brass stud terminals  
For battery connections at a more accessible locations  
Able to be used inside or outside the vehicle  
Can be used individually (positive terminal) or in pairs (positive and negative terminals)



**ACX0033**

## Single Jump Start Stud Black

Black cap - negative  
 Grooved brass contact post 28.8mm long  
 20.6mm diameter with brass hex nut and lock washer  
 Two 3/8-16" thread brass stud terminals  
 For battery connections at a more accessible location  
 Able to be used inside or outside the vehicle  
 Can be used individually (negative terminal) or in pairs (positive and negative terminals)

**OEX****ACX0034**

## Through Firewall Single Stud

Impact resistant plastic insulator/mounting bush  
 5.9mm long  
 32.1mm diameter  
 Two 3/8-16" thread brass stud terminals  
 15.9mm long  
 Can be used to bring 6-36V DC power through fire walls and bulk heads

**OEX****ACX3149**

## 120A Bus Bar 20 Terminals Red

Glass filled nylon base  
 Red  
 20x 6.3mm terminals (20A per circuit)  
 1 x 6mm stud

**OEX****ACX3147**

## 210A Bus Bar 4 Terminals Black

4 Stud bus bar  
 Glass filled nylon base  
 Black base  
 3x 10mm studs (65A per circuit)  
 1x 6mm stud

**OEX****ACX3148**

## 240A Bus Bar 12 Terminals Red

13 stud bus bar  
 Glass filled nylon base  
 Red base  
 12x Screw terminals (20A per circuit)  
 1x 8mm stud  
 12x 4mm stud

**OEX****ACX3150**

## 120A Bus Bar 20 Terminals Black

Tab type bus bar  
 Glass filled nylon base  
 20x 6.3mm terminals (20A per circuit)  
 1x 6mm stud

**OEX**

**OEX****ACX2703**

## 10A Bus Bar 10 Terminals

10 circuit with protective insulator barrier strips  
 Ten 10-32 thread studs with hex nuts, flat washers and lockwashers  
 Mounting: 2 eyelets for 4.76mm screws (screws not included)  
 Dimensions: 193.6 x 15.9 x 21.4mm  
 Moisture repellent moulded plastic insulator body  
 Includes nuts

**CH****M4755BX**

## 5 Stud Individual Feed Block

10-24 thread stud terminals  
 Two mounting holes for 1/4" (6.3mm) screws (screws not included)  
 Moisture-repellent molded insulator base with barrier strips  
 5/8" (15.9mm) wide x 27/32" (21.4mm) high

**CH****M4721BX**

## 8 Stud Individual Feed Block

Terminal blocks with stud terminals and square end patterns  
 10-32 thread stud terminals with hexnuts, flat washers and lockwashers  
 Two eyelet mounting holes for 3/16" (4.8mm) screws (screws not included)  
 Moisture-repellent phenolic insulator base. 5/8" (15.9mm) wide x 27/32" (21.4mm) high  
 Terminal blocks with stud terminals and square end patterns  
 10-32 thread stud terminals with hexnuts, flat washers and lockwashers  
 Two eyelet mounting holes for 3/16" (4.8mm) screws (screws not included)  
 Moisture-repellent phenolic insulator base. 5/8" (15.9mm) wide x 27/32" (21.4mm) high

**CH****M449-BX**

## Terminal Block Hot Feed Connect

Constructed with tin or brass plated hardware  
 Manufactured from solid brass  
 Surface retains unblemished appearance longer than copper and the corrosion-free surface maintains maximum conductivity

**OEX****ACX2758**

## Heavy Duty Junction Box

IP69K rated  
 Water & high pressure/vapour, steam protected  
 PA6 GF30 construction  
 UV resistance  
 Long term temperature 100°C (30 mins)  
 Short term temperature 180°C (2 mins)

**OEX****ACX2759**

## Heavy Duty Junction Box

Includes 10 way spade terminal connectors  
 IP69K rated  
 Water & high pressure/vapour, steam protected  
 PA6 GF30 construction  
 UV resistance  
 Long term temperature 100°C (30 mins)  
 Short term temperature 180°C (2 mins)

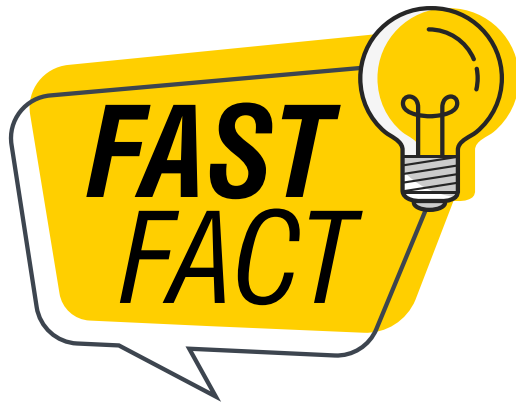
## ACX2728

### Waterproof Junction Box

Rubber construction  
8 Screw terminal connections  
Dimensions: 130 x 110 x 90mm  
4 entry/exit holes  
2 Mounting holes

OEX

CONNECTORS



## Question

What crimping tools are used to crimp Deutsch DTM, DT and DTP connectors?

## Answer

A specific crimping tool is required when crimping Deutsch DTM, DT and DTP connectors.



The correct tool has jaws that crimps in on four sides of the terminal, securing the cable without outwardly distorting the terminal, maintaining the shape so that the cable can be inserted into the housing.

The correct crimping tool for each series of connector is as follows:

- DTM terminals use ACX2940
- DT terminals use ACX2941
- DTP terminals use ACX2942

# UNLEASH FURY

## ON THE NIGHT



  
**GREAT WHITES**  
*Lighting Foresight*  
**ATTACK**

HIGH PERFORMANCE LED DRIVING LIGHTS

SPOT THE FULL RANGE AT [GREATWHITES.COM.AU](http://GREATWHITES.COM.AU)



Like us on Facebook  
[@GreatWhites](https://www.facebook.com/GreatWhites)



Follow us on Instagram  
[@greatwhitesled](https://www.instagram.com/greatwhitesled)

# Red Terminals - Suits Cable to 3mm



Part No.	Type	Connector Size	Style	Pack Qty
ACX3027	Male bullet terminal	4mm	Insulated	100
ACX3028/50	Male bullet terminal	4mm	Insulated	50
ACX3171	Male bullet terminal	4mm	Heat shrinkable	50
ACX3033	Female bullet terminal	4mm	Insulated	100
ACX3173	Female bullet terminal	4mm	Heat shrinkable	50
ACX3034/50	Female bullet terminal	4mm	Fully Insulated Polycarbonate	50
ACX3105	Male blade terminal	3.2mm	Insulated	100
ACX3006	Male blade terminal	6.3mm	Insulated	100
ACX3000	Male blade terminal	6.3mm	Fully Insulated Polycarbonate	50
ACX3000BL	Male blade terminal	6.3mm	Fully Insulated Polycarbonate	8
ACX3164	Male blade terminal	6.3mm	Heat shrinkable	50
ACX3014	Female blade terminal	2.8mm	Insulated	100
ACX3015	Female blade terminal	5mm	Insulated	100
ACX3016	Female blade terminal	6.3mm	Insulated	100
ACX3022	Female blade terminal	6.3mm	Fully Insulated	100
ACX3021BL	Female blade terminal	6.3mm	Fully Insulated Polycarbonate	10
ACX3021/50	Female blade terminal	6.3mm	Fully Insulated Polycarbonate	50
ACX3182	Female blade terminal	6.3mm	Heat shrinkable	50
ACX3011	2-way male/female connector terminal	6.3mm	Insulated	100
ACX3048	Ring terminal	3mm	Insulated	100
ACX3049	Ring terminal	4.3mm	Insulated	100
ACX3050	Ring terminal	5mm	Insulated	100
ACX3051	Ring terminal	6.3mm	Insulated	100
ACX3052	Ring terminal	8.4mm	Insulated	100
ACX3175	Ring terminal	4.3mm	Heat shrinkable	50
ACX3176	Ring terminal	5mm	Heat shrinkable	50
ACX3177	Ring terminal	6.3mm	Heat shrinkable	50
ACX3038	Joiner terminal	2.5 - 3mm	Insulated	100
ACX3064	Joiner terminal	2.5 - 3mm	Heat shrinkable	50
ACX3043	Fork terminal	4.3mm	Insulated	100
ACX3043BL	Fork terminal	4.3mm	Insulated	21
ACX3044	Fork terminal	5mm	Insulated	100
ACX3070	Pin terminal	2mm	Insulated	25







## Red Terminals - Suits Cable to 3mm (continued)



Part No.	Type	Connector Size	Style	Pack Qty
TDR06024	Male bullet terminal	4mm	Insulated	14
TDR06025	Male bullet terminal	4mm	Insulated	12
TDR06012	Female bullet terminal	4mm	Insulated	12
TDR06021	Male blade terminal	6.3mm	Insulated	14
TDR06003	Female blade terminal	2.8mm	Insulated	18
TDR06004	Female blade terminal	6.3mm	Insulated	18
TDR06009	Female blade terminal	6.3mm	Fully Insulated	10
TDR06001	2-way male/female connector terminal	6.3mm	Insulated	10
TDR06028	Ring terminal	3mm	Insulated	25
TDR06029	Ring terminal	4.3mm	Insulated	25
TDR06030	Ring terminal	5mm	Insulated	25
TDR06031	Ring terminal	6.3mm	Insulated	16
TDR06032	Ring terminal	8.4mm	Insulated	16
TDR06018	Joiner terminal	2.5mm	Insulated	15
TDR06044	Fork terminal	4.3mm	Insulated	21
TDR06045	Fork terminal	5mm	Insulated	21



## Blue Terminals - Suits Cable to 4mm

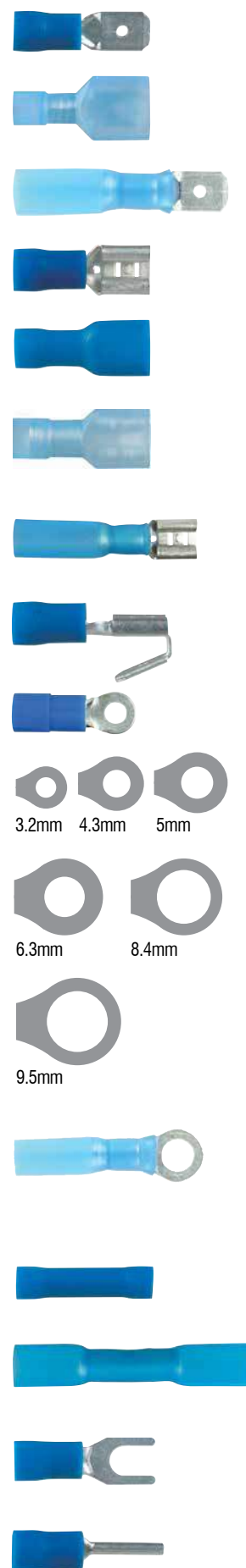


Part No.	Type	Connector Size	Style	Pack Qty
ACX3029	Male bullet terminal	5mm	Insulated	100
ACX3030/50	Male bullet terminal	4mm	Insulated	50
ACX3172	Male bullet terminal	5mm	Heat shrinkable	50
ACX3035	Female bullet terminal	5mm	Insulated	100
ACX3036BL	Female bullet terminal	4mm	Fully Insulated Polycarbonate	10
ACX3036/50	Female bullet terminal	4mm	Fully Insulated Polycarbonate	50

# Blue Terminals - Suits Cable to 4mm (continued)



Part No.	Type	Connector Size	Style	Pack Qty
ACX3007	Male blade terminal	6.3mm	Insulated	100
ACX3001	Male blade terminal	6.3mm	Fully Insulated Polycarbonate	50
ACX3001BL	Male blade terminal	6.3mm	Fully Insulated Polycarbonate	8
ACX3165	Male blade terminal	6.3mm	Heat shrinkable	50
ACX3017	Female blade terminal	6.3mm	Insulated	100
ACX3018	Female blade terminal	8mm	Insulated	100
ACX3024	Female blade terminal	6.3mm	Fully Insulated	100
ACX3023BL	Female blade terminal	6.3mm	Fully Insulated Polycarbonate	10
ACX3023/50	Female blade terminal	6.3mm	Fully Insulated Polycarbonate	50
ACX3168	Female blade terminal	6.3mm	Heat shrinkable	50
ACX3183	Female blade terminal	6.3mm	Heat shrinkable	50
ACX3012	2-way male/female connector terminal	6.3mm	Insulated	100
ACX3152	Ring terminal	3.2mm	Insulated	100
ACX3152BL	Ring terminal	3.2mm	Insulated	25
ACX3053	Ring terminal	4.3mm	Insulated	100
ACX3054	Ring terminal	5mm	Insulated	100
ACX3055	Ring terminal	6.3mm	Insulated	100
ACX3056	Ring terminal	8.4mm	Insulated	100
ACX3057	Ring terminal	9.5mm	Insulated	100
ACX3178	Ring terminal	5mm	Heat shrinkable	50
ACX3179	Ring terminal	6.3mm	Heat shrinkable	50
ACX3180	Ring terminal	8.4mm	Heat shrinkable	50
ACX3181	Ring terminal	9.5mm	Heat shrinkable	50
ACX3039	Joiner terminal	4mm	Insulated	100
ACX3065	Joiner terminal	4mm	Heat shrinkable	50
ACX3065BL	Joiner terminal	4mm	Heat shrinkable	10
ACX3045	Fork terminal	4.3mm	Insulated	100
ACX3046	Fork terminal	5mm	Insulated	100
ACX3071	Pin terminal	2mm	Insulated	25





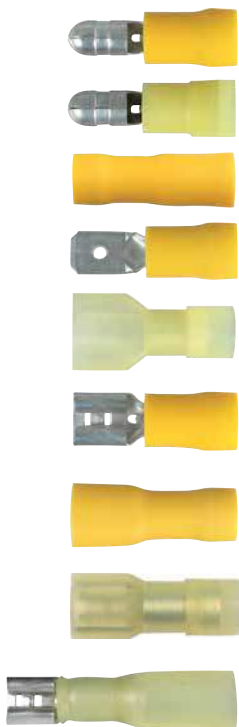
## Blue Terminals - Suits Cable to 4mm (continued)



Part No.	Type	Connector Size	Style	Pack Qty
TDR06026	Male bullet terminal	5mm	Insulated	14
TDR06016	Female bullet terminal	5mm	Insulated	11
TDR06022	Male blade terminal	6.3mm	Insulated	14
TDR06005	Female blade terminal	6.3mm	Insulated	14
TDR06006	Female blade terminal	8.4mm	Insulated	12
TDR06010	Female blade terminal	6.3mm	Fully Insulated	10
TDR06002	2-way male/female connector terminal	6.3mm	Insulated	10
TDR06033	Ring terminal	4.3mm	Insulated	25
TDR06034	Ring terminal	5mm	Insulated	25
TDR06035	Ring terminal	6.3mm	Insulated	20
TDR06036	Ring terminal	8.4mm	Insulated	14
TDR06037	Ring terminal	9.5mm	Insulated	12
TDR06019	Joiner terminal	4mm	Insulated	14
TDR06046	Fork terminal	4.3mm	Insulated	20
TDR06047	Fork terminal	5mm	Insulated	21



## Yellow Terminals - Suits Cable to 6mm

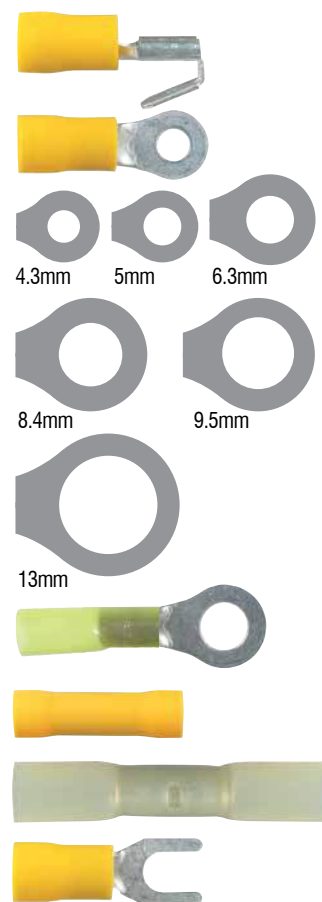


Part No.	Type	Connector Size	Style	Pack Qty
ACX3031	Male bullet terminal	5mm	Insulated	50
ACX3032	Male bullet terminal	5mm	Insulated Polycarbonate	50
ACX3037	Female bullet terminal	5mm	Insulated	50
ACX3008	Male blade terminal	6.3mm	Insulated	50
ACX3002	Male blade terminal	6.3mm	Fully Insulated Polycarbonate	50
ACX3019	Female blade terminal	6.3mm	Insulated	50
ACX3020	Female blade terminal	9.5mm	Insulated	50
ACX3026	Female blade terminal	6.3mm	Fully Insulated	50
ACX3025	Female blade terminal	6.3mm	Fully Insulated Polycarbonate	50
ACX3025BL	Female blade terminal	6.3mm	Fully Insulated Polycarbonate	10
ACX3169	Female blade terminal	6.3mm	Heat shrinkable	50

## Yellow Terminals - Suits Cable to 6mm (continued)



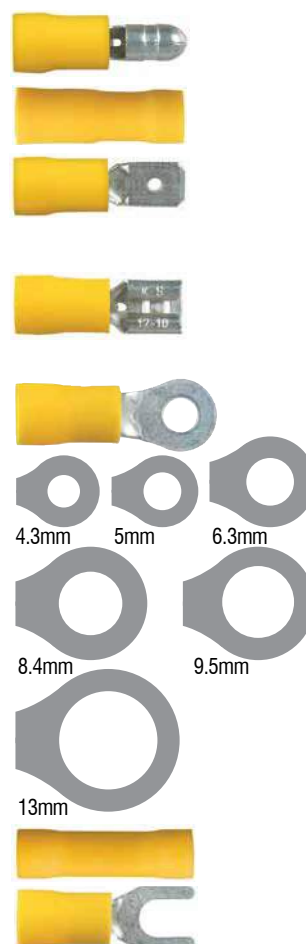
Part No.	Type	Connector Size	Style	Pack Qty
ACX3013	2-way male/female connector terminal	6.3mm	Insulated	50
ACX3058	Ring terminal	4.3mm	Insulated	100
ACX3059	Ring terminal	5mm	Insulated	100
ACX3060	Ring terminal	6.3mm	Insulated	50
ACX3061	Ring terminal	8.4mm	Insulated	50
ACX3062	Ring terminal	9.5mm	Insulated	50
ACX3063	Ring terminal	13mm	Insulated	50
ACX3185	Ring terminal	6.3mm	Heat shrinkable	50
ACX3186	Ring terminal	8.4mm	Heat shrinkable	50
ACX3187	Ring terminal	9.5mm	Heat shrinkable	50
ACX3040	Joiner terminal	5-6mm	Insulated	50
ACX3066	Joiner terminal	5-6mm	Heat shrinkable	50
ACX3047	Fork terminal	5.3mm	Insulated	50



## Yellow Terminals - Suits Cable to 6mm (continued)



Part No.	Type	Connector Size	Style	Pack Qty
TDR06027	Male bullet terminal	5mm	Insulated	8
TDR06054	Female bullet terminal	5mm	Insulated	8
TDR06023	Male blade terminal	6.3mm	Insulated	11
TDR06007	Female blade terminal	6.3mm	Insulated	12
TDR06011	Female blade terminal	6.3mm	Fully Insulated	10
TDR06008	Female blade terminal	9.5mm	Insulated	10
TDR06038	Ring terminal	4.3mm	Insulated	14
TDR06039	Ring terminal	5mm	Insulated	14
TDR06040	Ring terminal	6.3mm	Insulated	12
TDR06041	Ring terminal	8.4mm	Insulated	10
TDR06042	Ring terminal	9.5mm	Insulated	10
TDR06043	Ring terminal	13mm	Insulated	8
TDR06020	Joiner terminal	5mm	Insulated	8
TDR06048	Fork terminal	5mm	Insulated	20





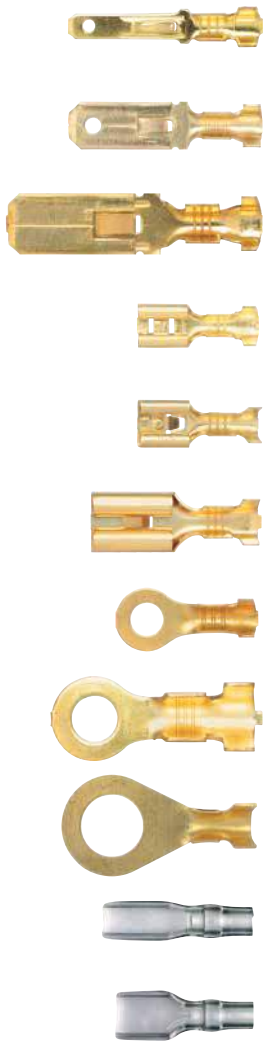
## Insulated Solder Splice



Part No.	Type	Cable Size	Style	Pack Qty
<b>ACX3188</b>	Joiner	1.5 - 2.5mm	Heat shrinkable	20
<b>ACX3189</b>	Joiner	2.5 - 4.5mm	Heat shrinkable	20
<b>ACX3190</b>	Joiner	4.5 - 6mm	Heat shrinkable	20



## Brass Terminals



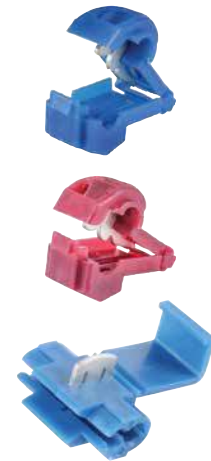
Part No.	Type	Cable Size	Connector Size	Style	Pack Qty
<b>ACX3073</b>	Male blade	1-3mm	2.8mm	Non insulated	100
<b>ACX3074</b>	Male blade	1-4mm	6.3mm	Non insulated	100
<b>ACX3096</b>	Male blade	3-4mm	8mm	Non insulated - for use with QC connectors	25
<b>ACX3077</b>	Female blade	1-3mm	5mm	Non insulated	100
<b>ACX3078</b>	Female blade	1-4mm	6.3mm	Non insulated	100
<b>ACX3097</b>	Female blade	3-4mm	8mm	Non insulated - for use with QC connectors	25
<b>ACX3083</b>	Ring	1-3mm	4.3mm	Non insulated	100
<b>ACX3084</b>	Ring	1-3mm	6mm	Non insulated	100
<b>ACX3086</b>	Ring	1-4mm	8.4mm	Non insulated	100
<b>ACX3093</b>	Insulator	-	2.8mm	Insulated	100
<b>ACX3094</b>	Insulator	-	6.3mm	Insulated	50



## Easy-Tap Wire Connectors



Part No.	Type	Cable Size	Style	Pack Qty
ACX3004	Wire tap connector	4mm	Insulated	30
ACX3003	Wire tap connector	3mm	Insulated	30
ACX3041	Ezy-tap wire joiner	4mm	Insulated	25



## Easy-Tap Wire Connectors



Part No.	Type	Cable Size	Style	Pack Qty
TDR06051	Wire tap connector	4mm	Insulated	8
TDR06053	Wire tap connector	3mm	Insulated	8
TDR06052	Ezy-tap wire joiner	4mm	Insulated	6



## Crimp Terminal Assortment Kits



Part No.	Type	Style	Pack Qty
ACX3101	Assorted kit	Insulated	800



ACX3100	Assorted kit	Insulated	1000
---------	--------------	-----------	------



# OHMS LAW

## Pinwheel

### P = POWER (WATTS)

$$\text{Watts} = \text{Volts}^2 / \text{Ohms}$$

$$\text{Watts} = \text{Amps}^2 \times \text{Ohms}$$

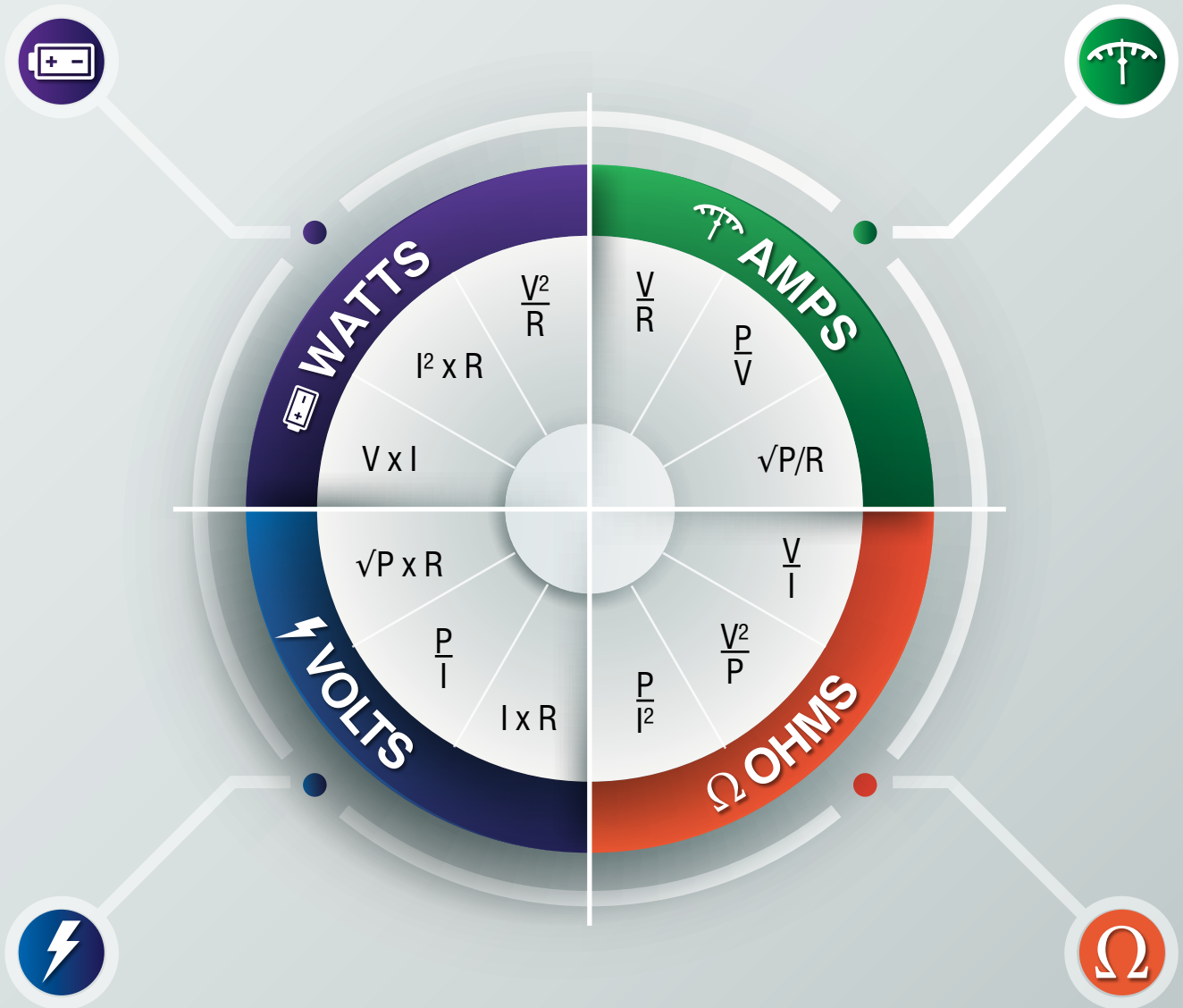
$$\text{Watts} = \text{Volts} \times \text{Amps}$$

### I = CURRENT (AMPS)

$$\text{Amps} = \text{Volts} / \text{Ohms}$$

$$\text{Amps} = \text{Watts} / \text{Volts}$$

$$\text{Amps} = \sqrt{\text{Watts} / \text{Ohms}}$$



### V = VOLTAGE (VOLTS)

$$\text{Volts} = \sqrt{\text{Watts} \times \text{Ohms}}$$

$$\text{Volts} = \text{Watts} / \text{Amps}$$

$$\text{Volts} = \text{Amps} \times \text{Ohms}$$

### R = RESISTANCE (OHMS)

$$\text{Ohms} = \text{Volts} / \text{Amps}$$



$$\text{Ohms} = \text{Volts}^2 / \text{Watts}$$

$$\text{Ohms} = \text{Watts} / \text{Amps}^2$$

## TDR06017

### Cigarette Lighter Plug

200mm pigtail  
With mini blade fuse



	<b>VOLTAGE</b> 12/24V
	<b>AMPS</b> 10A



## ACX2861BL

### Cigarette Lighter Plug

Thermoplastic body  
Screw terminals  
Red head on plug is removable to allow fitment into merit style sockets

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 16A



## ACX2864

### Twin Extended Accessory Power Sockets

Thermoplastic body  
Red head on plug is removable to allow fitment into merit style sockets



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 16A



## TDR06101

### Accessory Power Socket

Mount dash or panel  
Illumination blue LED back light  
29mm socket mounting hole



	<b>VOLTAGE</b> 12/24V
	<b>AMPS</b> 20A



## TDR06109

### Twin Accessory Power Socket

Twin 20A accessory sockets  
Dustproof cover  
Heavy-duty construction  
Amperage rating 20A @ 12V, 10A @ 24V  
Flush mount  
Mounting opening 29mm diameter per socket

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 20A



## TDR06201

### Plastic Accessory Socket Cover

Reduce the likelihood of short circuit from item falling onto the contacts of the plug, also protects from dust, dirt & sand  
Suits TDR06101 & TDR06109





**ACX6207BL**  
Cigarette Lighter Socket

Bullet & blade terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 16A



**ACX6204**  
Cigarette Lighter and Socket

Complete unit, includes lighter plug  
Bullet & blade terminals

	<b>VOLTAGE</b> 12V
--	-----------------------



**65-99992BLR**  
Cigarette Lighter Socket

Socket, bullet & blade terminals

	<b>VOLTAGE</b> 12V
--	-----------------------



**ACX2830BL**  
Merit Style Plug

Thermoplastic body  
Brass contacts  
2 screw terminals  
Suits pole socket: ACX2829BL and TDR06103

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 8A



**ACX2829BL**  
Accessories Power Socket

Aluminium construction with 2x blade terminals  
Use with ACX2828BL

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 16A



**TDR06103**  
Merit Style Socket




Mount dash or panel

	<b>VOLTAGE</b> 12/24V
	<b>AMPS</b> 16A
	<b>DIMENSIONS</b> 29mm diameter

## TDR06107

### Engel Style Socket

Mount dash or panel  
Amperage rating 15A @ 12V, 7.5A @ 24V  
2x blade terminals

	<b>VOLTAGE</b> 12/24V
	<b>AMPS</b> 15A
	<b>DIMENSIONS</b> 29mm diameter






**THUNDER**  
*Connection is your Weekend Escape*

## TDR06105

### Ammeter

Can be used to monitor your accessory current draw  
Socket mount, dash or panel  
Internal shunt

	<b>VOLTAGE</b> 12 - 24V
	<b>AMPS</b> 0 - 10A
	<b>DIMENSIONS</b> 29mm diameter



 Display blue LED

**THUNDER**  
*Connection is your Weekend Escape*

## TDR06104

### Voltmeter

Mount socket mount  
Dash or panel  
Range: 5-30V  
Can be used to monitor your trailer breakaway battery

	<b>VOLTAGE</b> 12/24V
	<b>DIMENSIONS</b> 29mm diameter




 Display blue LED

**THUNDER**  
*Connection is your Weekend Escape*

## TDR06110

### Dual Voltmeter

Mount socket mount  
Dash or panel  
Range: 5-30V  
Can be used to monitor two separate batteries such as a breakaway battery or dual battery system

	<b>VOLTAGE</b> 12/24V
	<b>DIMENSIONS</b> 29mm diameter



 Display blue LED

**THUNDER**  
*Connection is your Weekend Escape*

## TDR06108

### Voltmeter with Indicator

Mount socket mount  
Dash or panel  
Range: 5-15V  
Can be used to monitor your trailer breakaway battery, with incremental indicators showing voltage at a glance

	<b>VOLTAGE</b> 12/24V
	<b>DIMENSIONS</b> 29mm diameter






 Display blue LED

**THUNDER**  
*Connection is your Weekend Escape*

## TDR06106

### Dual Volt/Amp Gauge

Can be used to monitor your trailer breakaway battery and your accessory current draw  
Mount dash or panel  
Range: 5-30V, 0 - 10A  
Internal shunt

	<b>VOLTAGE</b> 12/24V
	<b>AMPS</b> 0 - 10A
	<b>DIMENSIONS</b> 29mm diameter



 Display blue LED

**THUNDER**  
*Connection is your Weekend Escape*



**THUNDER**  
Connection is your Headland Escape



## TDR11025

### Dual USB Panel Mount with Voltmeter

Dash mounted charging port providing 2x 2.1A output to keep power to a host of mobile accessories

1 position, 2 terminals  
Blue illumination

**THUNDER**  
Connection is your Headland Escape



## TDR17102

### Dual USB Socket 2.4A per USB

Mount dash or panel  
29mm socket mounting hole  
2.4A per socket, 4.8A combined

**THUNDER**  
Connection is your Headland Escape



## TDR06111

### Single Flush Mount Panel

Centre to centre 48mm  
Size 29mm mounting hole  
Suitable for housing the Thunder socket range  
Dimensions (L x H): 60 x 43mm

**THUNDER**  
Connection is your Headland Escape



## TDR06112

### Double Flush Mount Panel

Centre to centre 86mm  
2x 29mm mounting hole  
Suitable for housing the Thunder socket range  
Dimensions (L x H): 105 x 43mm

**THUNDER**  
Connection is your Headland Escape



## TDR06113

### Triple Flush Mount Panel

Centre to centre 132mm  
3x 29mm mounting hole  
Suitable for housing the Thunder socket range  
Dimensions (L x H): 150 x 43mm

**THUNDER**  
Connection is your Headland Escape



## TDR06121

### Single Surface Mount Panel

29mm mounting hole  
Suitable for housing the Thunder socket range  
Dimensions (H x W x D): 50 x 54 x 80mm

**TDR06122**

## Double Surface Mount Panel

2x 29mm mounting hole

Suitable for housing the Thunder socket range

Dimensions (H x W x D): 50 x 96 x 80mm


**THUNDER**  
*Connection is your Workmate's Edge*
**TDR06123**

## Triple Surface Mount Panel

3x 29mm mounting hole

Suitable for housing the Thunder socket range

Dimensions (H x W x D): 50 x 148 x 80mm


**THUNDER**  
*Connection is your Workmate's Edge*
**TDR11039**

## Switch Housing End Flush Mount

21 x 37mm switch mounting hole

Dimensions (L x H x D): 60 x 31 x 30mm


**THUNDER**  
*Connection is your Workmate's Edge*
**TDR11040**

## Socket Housing End Flush Mount

29mm socket mounting hole

Dimensions (L x H x D): 60 x 47 x 30mm


**THUNDER**  
*Connection is your Workmate's Edge*
**TDR11041**

## Switch Housing Centre Flush Mount

21 x 37mm switch mounting hole

Dimensions (L x H x D): 60 x 26 x 30mm


**THUNDER**  
*Connection is your Workmate's Edge*
**TDR11042**

## Socket Housing Centre Flush Mount

29mm socket mounting hole

Dimensions (L x H x D): 60 x 42 x 30mm


**THUNDER**  
*Connection is your Workmate's Edge*



### TDR11035

#### Left Surface Mount Socket Housing

29mm socket mounting hole  
Dimensions (L x H x D): 55 x 55 x 75mm



### TDR11033

#### Left Surface Mount Switch Housing

21 x 37mm switch mounting hole  
Dimensions (L x H x D): 55 x 55 x 75mm



### TDR11038

#### Center Surface Mount Socket Housing

29mm socket mounting hole  
Dimensions (L x H x D): 55 x 52 x 75mm



### TDR11037

#### Center Surface Mount Switch Housing

21 x 37mm switch mounting hole  
Dimensions (L x H x D): 55 x 52 x 75mm



### TDR11036

#### Right Surface Mount Socket Housing

29mm socket mounting hole  
Dimensions (L x H x D): 55 x 55 x 75mm



### TDR11034

#### Right Surface Mount Switch Housing

21 x 37mm switch mounting hole  
Dimensions (L x H x D): 55 x 55 x 75mm

## JW10SUHD

### Heavy Duty Jockey Wheel

These jockey wheels will cope with whatever you throw at them and are suitable for all on-road, off-road & marine applications  
 Rust resistant Dacromet® finish  
 250mm extension  
 Superior 500kg load rating  
 10" steel rim with solid rubber wheel  
 U-bolt swivel clamp handle, fold away winding handle



## ORJW750

### Off Road Jockey Wheel

The XO Series jockey wheels are not only tough but versatile with multiple height options  
 A highly manoeuvrable trailing yoke design, this jockey wheel make moving your boat, caravan, camper or loaded trailer easier than ever  
 Rust resistant finish, 4 adjustable height positions up to 750mm. Heavy duty body with 750kg load rating, 2x 8" wheels with sealed bearings and off road tread  
 Mounting hardware included, no welding required  
 Magnetic removable side winding handle, rust resistant finish. Heavy duty swivel clamp with 4 bolt pivot point



## 65-90062

### Metal Rectangle Rego Label Holder

Metal with clear cover and mounting hole



## 65-90060

### Plastic Rectangle Rego Label Holder

Plastic with mounting hole



## 82240BL

### 5 Pin Large Round Car to 7 Pin Flat Trailer Connector

Plastic



## 82265BL

### 7 Pin Large Round Car to 7 Pin Small Round Trailer Connector

Plastic  
 Blister pack





### 82275BL

7 Pin Small Round Car to 7 Pin Large Round Trailer Connector

Plastic  
Blister pack



### 82230BL

7 Pin Flat Car to 6 Pin Small Round Trailer Connector

Plastic  
Blister pack



### 82245BL

7 Pin Flat Car to 7 Pin Large Round Trailer Connector

Plastic  
Blister pack



### 82225BL

7 Pin Flat Car to 7 Pin Small Round Trailer Connector

Plastic  
Blister pack  
20 pack available: Part No. 82225/20



### 82235BL

7 Pin Large Round Car to 7 Pin Flat Trailer Connector

Plastic  
Blister pack



### 82215BL

7 Pin Small Round Car to 7 Pin Flat Trailer Connector

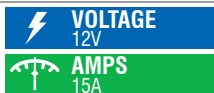
Plastic  
Blister pack



## TDR06905

Trailer Plug 7 Pin Flat Plastic

Brass chrome plated terminals



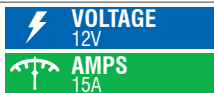
**THUNDER**  
Connection is your Weekend Escape

## 82141BL

Trailer Plug 7 Pin Flat Plastic

Blister pack

20 pack available: Part No. 82141/20

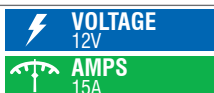


**NARVA**  
THE VISION TO GO FURTHER

## ACX2804

Trailer Plug 7 Pin Flat Plastic

Brass chrome plated terminals

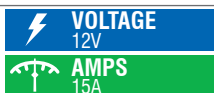


**Britax**

## B4

Trailer Plug 7 Pin Flat Plastic

Brass chrome plated terminals



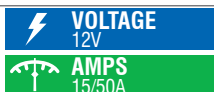
**Britax**

## TDR06920

Trailer Socket 7 Pin Flat with Anderson Style Connector

50A Anderson style connector

Reed switch is normally open



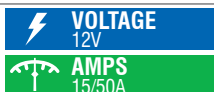
**THUNDER**  
Connection is your Weekend Escape

## 82048BL

Trailer Socket 7 Pin Flat with Anderson Style Connector

50A Anderson style connector

Silver plated contacts suit 8 B&S cable



**NARVA**  
THE VISION TO GO FURTHER



### ACX2805

Trailer Socket 7 Pin Flat Plastic

Surface mount  
Chrome plated brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### TDR06904

Trailer Socket 7 Pin Flat Plastic

Surface mount

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### TDR06913

Trailer Socket 7 Pin Flat Plastic with LED Light

Surface mount  
Integrated LED light activates with tail lights  
Normally open reed switch allows for use with a reverse sensor

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### TDR06915

Trailer Socket 7 Pin Flat Plastic with Reed Switch

Surface mount  
Normally open reed switch allows for use with a reverse sensor

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### 82042BL

Trailer Socket 7 Pin Flat Plastic

Surface mount  
Blister pack  
20 pack available: Part No. 82042/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### 82043BL

Trailer Socket 7 Pin Flat Plastic with N/C Reed Switch

Surface mount  
Blister pack  
For use on vehicles with reversing sensors, the reed switch deactivates the reverse sensor while the trailer is connected  
Suits all vehicles with normally closed circuits including:  
Holden, Hyundai & after market parking aids  
20 pack available: Part No. 82043/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



## 82044BL

### Trailer Socket 7 Pin Flat Plastic with N/O Reed Switch



Surface mount

Blister pack

For use on vehicles with reversing sensors, the reed switch deactivates the reverse sensor while the trailer is connected

Suits all vehicles with normally open circuits specifically Ford & Nissan

20 pack available: Part No. 82044/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



## 82045BL

### Trailer Socket 7 Pin Flat Plastic Pre Wired

7 pin flat trailer socket with cable



Surface mount

Blister pack

Pre wired with 1.5m cable

Wire tap connectors included

20 pack available: Part No. 82045/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A





## B5

### Trailer Socket 7 Pin Flat Plastic

7 pin flat trailer socket

Surface mount

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A





## TDR06907

### Trailer Plug 12 Pin Flat Plastic

Amp rating per circuit: 7 poles 15A @ 12V, 5 poles 35A @ 12V

With cover

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15 & 35A





## 82171BL

### Trailer Plug 12 Pin Flat Plastic

Amp rating per circuit: 7 poles 15A @ 12V, 5 poles 35A @ 12V

20 pack available: Part No. 82171/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15 & 35A





## TDR06922

### Trailer Socket 12 Pin with Anderson Style Connector

Amp rating per circuit: 7 poles 15A @ 12V, 5 poles 35A @ 12V

50A Anderson connector

Surface mount

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15 & 35A





## TDR06906

### Trailer Socket 12 Pin Flat Plastic

Amp rating per circuit: 7 poles 15A @ 12V, 5 poles 35A @ 12V  
Surface mount  
Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15 & 35A



## 82072BL

### Trailer Socket 12 Pin Flat Plastic

Amp rating per circuit: 7 poles 15A @ 12V, 5 poles 35A @ 12V  
Surface mount

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15 & 35A



## 82073BL

### Trailer Socket 12 Pin Flat Plastic with N/C Reed Switch

Amp rating per circuit: 7 poles 15A @ 12V, 5 poles 35A @ 12V  
Surface mount  
Blister pack

For use on vehicles with reversing sensors, the reed switch deactivates the reverse sensor while the trailer is connected

Suits all vehicles with normally closed circuits including: Holden, Hyundai & after market parking aids

20 pack available: Part No. 82073/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15 & 35A



## 82074BL

### Trailer Socket 12 Pin Flat Plastic with N/O Reed Switch

7 circuit amp rating per: circuit 15A @ 12V, 5 circuit amp rating per circuit: 35A @ 12V

For use on vehicles with reversing sensors, the reed switch deactivates the reverse sensor while the trailer is connected

Suits all vehicles with normally open circuits, specifically Ford and Nissan

20 pack available: Part No. 82074/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15 & 35A



## 15-336S

### Trailer Plug 2 Pin Round Large

Provides separate power & ground connections  
200A dual pole plug  
Accepts 4 gauge wire

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 200A



## 15-326S

### Trailer Socket 2 Pin Round Metal

Provides separate power & ground connections  
200A dual pole support  
Solid brass pins  
Stainless steel hinge pin & spring

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 200A



## ACX2894



### 3 Pin Plug with Cap

The 3-pin connection system according to DIN 9680 is used on tractors and agricultural machines for the electrical connection of end users, such as mowers, construction forks and sweepers. With a maximum current absorption of 25A

Easy to assemble

Multiple connection possibilities (FASTON connector)

Robust plastic body with high mechanical strength

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A



## ACX2893



### 3 Pin Socket with Cap

The 3-pin connection system according to DIN 9680 is used on tractors and agricultural machines for the electrical connection of end users, such as mowers, construction forks and sweepers. With a maximum current absorption of 25A

Easy to assemble

Multiple connection possibilities (FASTON connector)



Robust plastic body with high mechanical strength

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 25A



## 82162BL

### Trailer Plug 5 Pin Large Round Metal



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



## 82182BL

### Trailer Plug 5 Pin Large Round Plastic

25 Pack available: Part No. 82182/25

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A





## 82063BL

### Trailer Socket 5 Pin Large Round Metal

Surface mount

Accepts 6mm cable (5.22mm<sup>2</sup>)



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



## 82053BL

### Trailer Socket 5 Pin Large Round Plastic

Accepts 6mm cable (5.22mm<sup>2</sup>)

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A







### 82132BL

Trailer Plug 6 Pin Small Round Metal

Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### 82122BL

Trailer Plug 6 Pin Small Round Plastic

Blister pack

20 pack available: Part No. 82122/20

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### 82033BL

Trailer Socket 6 Pin Small Round Metal

Flush mount

Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### 82023BL

Trailer Socket 6 Pin Small Round Plastic

Flush mount

Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### ACX2790

Trailer Plug 7 Pin Round Small Plastic

Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### TDR06903

Trailer Plug 7 Pin Round Small Plastic

Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A

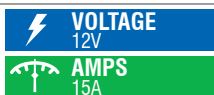


## 82121BL

Trailer Plug 7 Pin Round Small Plastic

Blister pack

20 pack available: Part No. 820121/20

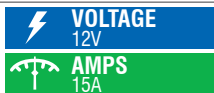


## ACX2792

Trailer Plug 7 Pin Round Small Metal

Brass terminals

Blister pack

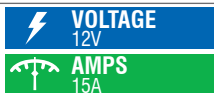


## TDR06911

Trailer Plug 7 Pin Round Small Metal

Brass terminals

Blister pack

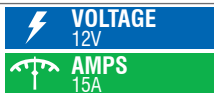


## 82131BL

Trailer Plug 7 Pin Round Small Metal

Blister pack

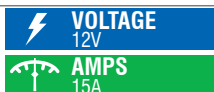
20 pack available: Part No. 820131/20



## H40907

Trailer Plug 7 Pin Round Small Metal

Blister pack



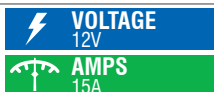
## ACX2789

Trailer Socket 7 Pin Small Round Plastic

Brass terminals

Flush mount

Blister pack





### TDR06902

Trailer Socket 7 Pin Small Round Plastic

Flush mount  
Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### ACX2791

Trailer Socket 7 Pin Small Round Metal

Brass terminals  
Flush mount  
Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### 82022BL

Trailer Socket 7 Pin Small Round Plastic

Flush mount  
Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A

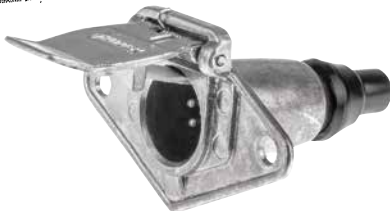


### 82025/20

Trailer Socket 7 Pin Small Round Plastic Pre-Wired

Flush mount  
Brass terminals  
Pre-wired 20 pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### TDR06910

Trailer Socket 7 Pin Small Round Metal

Flush mount  
Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### 82032BL

Trailer Socket 7 Pin Small Round Metal

Flush mount  
Blister pack  
20 pack available: Part No. 82032/20



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 15A



### H3515

Trailer Socket 7 Pin Small Round Metal

Flush mount  
Brass terminals



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### ACX2800

Trailer Plug 7 Pin Large Round Plastic

Brass terminals  
Finger grips for easier disconnection



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### TDR06901

Trailer Plug 7 Pin Large Round Plastic

Brass terminals  
Blister pack



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### 82181BL

Trailer Plug 7 Pin Large Round Plastic

Blister pack  
25 pack available: Part No. 82181/25



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### 82185BL

Trailer Plug 7 Pin Large Round Plastic

Blister pack  
20 pack available: Part No. 82185/20



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### ACX2802

Trailer Plug 7 Pin Large Round Metal

Brass terminals  
Diecast metal housing  
Finger grips for easier disconnection

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A





### ACX2807

Trailer Plug 7 Pin Large Round Metal

Brass terminals  
Diecast metal housing  
Finger grips for easier disconnection

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### TDR06909

Trailer Plug 7 Pin Large Round Metal

Brass terminals  
Blister pack

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### 82161BL

Trailer Plug 7 Pin Large Round Metal

Accepts 6mm cable (5.22m<sup>2</sup>)  
Blister pack  
25 pack available: Part No. 82161/25

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### MP7

Trailer Plug 7 Pin Large Round Metal

Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### ACX2801

Trailer Socket 7 Pin Large Round Plastic

Flush mount  
Diecast metal housing  
Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



### TDR06900

Trailer Socket 7 Pin Large Round Plastic

Flush mount  
Blister pack  
Plastic housing  
Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A







**82052BL**

## Trailer Socket 7 Pin Large Round Plastic



Flush mount  
Blister pack  
Plastic housing  
Brass terminals  
25 pack available: Part No. 82052/25

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A

**82054BL**

## Trailer Coupling 7 Pin Large Round Plastic



Brass terminals  
25 pack available: Part No. 8205/25

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A

**ACX2803**

## Trailer Socket 7 Pin Large Round Metal



Flush mount  
Diecast metal housing  
Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A

**ACX2806**

## Trailer Socket 7 Pin Large Round Metal



Flush mount  
Diecast metal housing  
Brass terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A

**82062BL**

## Trailer Socket 7 Pin Large Round Metal



Brass terminals accepts 6mm cable  
Diecast metal housing  
25 pack available: Part No. 82062/25

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A

**MB7**

## Trailer Socket 7 Pin Large Round Metal

Amp rating per circuit: 30A @ 12V  
Brass terminals  
Accepts 6mm cable (5.22mm<sup>2</sup>)  
Diecast metal housing

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A





**B730**

Heavy Duty Trailer Plug 7 Pin Round Metal

Zinc diecast reinforced housing  
 100% brass floating pins  
 Larger finger grips which are set back allow for proper disconnection

**VOLTAGE**  
40A



**82193**

Heavy Duty Trailer Plug 7 Pin Round Metal

Internal weatherbeater seal & rubber boot  
 Finger grips for easier disconnection

**VOLTAGE**  
6 - 28V

**AMPS**  
40A



**82194**

Heavy Duty Trailer Plug 7 Pin Round Metal

Internal weatherbeater seal & cable guard  
 Finger grips for easier disconnection

**VOLTAGE**  
6 - 28V

**AMPS**  
40A



**12092-BX**

Heavy Duty Trailer Plug 7 Pin Round Metal

With strain relief  
 ADR compliant  
 Finger grips for easier disconnection  
 Split pins

**VOLTAGE**  
12V

**AMPS**  
30A



**16-730S**

Heavy Duty Trailer Plug 7 Pin Round Plastic

Brass terminals  
 Finger grips for easier disconnection

**VOLTAGE**  
12V

**AMPS**  
20A



**12063-01-BX**

Heavy Duty Trailer Socket 7 Pin Round Metal

Diecast reinforced housing  
 Flush mount  
 ADR compliant



**VOLTAGE**  
12V

**AMPS**  
30A

## 12063BX

### Heavy Duty Trailer Socket 7 Pin Round Metal

Diecast reinforced housing  
 Flush mount  
 ADR compliant  
 Solid pins



	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



## B720

### Heavy Duty Trailer Socket 7 Pin Round Metal

Spring loaded socket door which fits over mating ridge on socket face for weather & dirt protection  
 Brass pins for high conductivity  
 Screw terminals

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



## 82094

### Heavy Duty Trailer Socket 7 Pin Round Metal

Die cast housing is self-grounding, rated at 40A continuous duty, manufactured in accordance with the current SAEJ560 standards and thereby meet Australian Standard AS 4735-2003 for heavy-duty connectors



	<b>AMPS</b> 40A
---	--------------------



## 16-720S

### Heavy Duty Trailer Socket 7 Pin Round Plastic

Spring loaded socket door which fits over mating ridge on socket face for weather and dirt protection  
 Housing is made of a glass filled nylon which is virtually indestructible  
 Use with 16-730S

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 30A



## 00511200

### 13 Pin Plug - Euro Style

Nickle plated brass contacts and screw terminals  
 Green cap included

The 13 pin euro plugs & sockets can be found on many European vehicles like Land Rover Discovery, Mercedes ML & GLA series, Audi Q series, BMW X3, X5 X6 series and VW Amarok & Caddy

The plugs has an insert twist & lock feature to secure the connection

	<b>VOLTAGE</b> 12V
---	-----------------------



## 00421300

### 13 Pin Socket - Euro Style

Nickle plated brass contacts and screw terminals

The 13 pin Euro plugs & sockets can be found on many European vehicles like Land Rover Discovery, Mercedes ML & GLA series, Audi Q series, BMW X3, X5 X6 series and VW Amarok & Caddy

The plugs has an insert twist & lock feature to secure the connection

	<b>VOLTAGE</b> 12V
---	-----------------------





### 00594600

#### Trailer Plug Round Large

15 pin plug  
Nickle plated brass contacts and 15mm screw terminals

**VOLTAGE**  
24V



### 0594670

#### Trailer Plug Round Large

15 pin plug  
Nickle plated brass contacts and 11.5/14.5mm screw terminals

**VOLTAGE**  
24V



### 00584400

#### Trailer Socket Round Large

15 pin  
Socket 90° bayonet  
Nickle plated brass contacts and 15mm screw terminals

**VOLTAGE**  
24V



### 00584300

#### Trailer Socket Round Large

15 pin socket  
Nickle plated brass contacts and 15mm screw terminals

**VOLTAGE**  
24V



### 0559680

#### Suzi Coil

No plugs  
12 x 1.5mm<sup>2</sup> & 3 x 2.5mm<sup>2</sup>, extended length 4m,  
cable diameter 15mm



### ACX2841

#### Mounting Plate - 7 Pin and Anderson Plug

3mm powder coated steel  
Suits 7 pin flat trailer sockets & 50A connectors in or  
out of housing  
Plugs and connectors not included  
10 Pack

## TDR06921

### Mounting Plate - 7 Pin And Anderson Plug

3mm powder coated steel  
Suits 7 pin flat trailer sockets & 50A connectors in or out of housing  
Plugs and connectors not included



## ACX2840

### Trailer Socket Mounting Bracket

For UV resistant thermo plastic sockets  
Suits bases: ACX2787 and ACX2789  
Two connector mounting holes  
Two vehicle mounting holes



## ACX2842

### Trailer Socket Mounting Bracket

For metal sockets  
Suits bases: ACX2791 and ACX2786  
Two connector mounting holes  
Three vehicle mounting holes



## ACX2844

### Trailer Connector Mount Bracket

For UV resistant thermo plastic sockets  
Suits bases: ACX2787 and ACX2789  
Two connector mounting holes  
Two vehicle mounting holes



## 82305BL

### Flat Bracket to suit Small Round Plastic Socket

Flat bracket for small round plastic sockets  
Blister pack  
20 pack available: Part No. 82305/20



## ACX2845

### Suzi Coil 5 Core Short Tail

4mm wire  
5m with short tails







## ACX2847

Suzi Coil 7 Core 5m Short Tail

4mm wire  
6m with short tails



## 82502

Suzi Coil 7 Pin Large Round Plugs

Euro coil suzi short tail  
Fitted with Part No. 82161 metal plugs, the 'Euro Coil' is wound with less tension than the standard Suzi Coil & extends to 3.6m yet still retains excellent coil memory  
The reduced tension places less stress on the plugs & is ideal for use with po-go sticks, a common european style of use  
2x short tails, 250mm long



## 82506

Suzi Coil 7 Pin Large Round Plugs

Euro coil suzi long tail  
Fitted with Part No. 82161 metal plugs, the 'Euro Coil' is wound with less tension than the, standard suzi coil & extends to 3.6m yet still retains excellent coil memory  
The reduced tension places less stress on the plugs & is ideal for use with po-go sticks, a common European style of use  
250mm short tail  
& 1m long tail



## 82529

Suzi Coil 7 Core Adaptor

Required to adapt trucks or trailers with the new heavy duty sockets to the current large round sockets and vice versa  
Extends to 4.6m (15ft) with 6 cores of 2mm<sup>2</sup> cable, 1x 3mm<sup>2</sup> earth/ground cable & 2x 250mm short tails fitted with standard metal plug, (Part No. 82161) & the SAE plug with cable guard (Part No. 82194)



## 41-252-180S

Suzi Coil 7 Core with Male Plugs

Euro coil suzi short tail  
Fitted with Part No. 82161 metal plugs, the 'Euro coil' is wound with less tension than the standard suzi coil & extends to 3.6m yet still retains excellent coil memory  
The reduced tension places less stress on the plugs & is ideal for use with po-Go sticks, a common European style of use  
2x short tails, 250mm long



## ACX2872

7 Pin Socket Trailer Large

ABS socket  
7/12mm screw terminal  
OEM Part No. 00583770



## ACX2873

### ABS 5 Pin Plug Large Round

The connectors are available in a 5-pole version for the ABS braking system. The sockets are provided with an expulsion system of the plug in case it is not plugged in correctly. Standards: conforms to ISO 7638-1 standards, conforms to ADR/GGVS norm requirements for vehicles transporting hazardous goods. Version of crimp contacts with a special tool. Version of screw contacts suitable for the spare parts market. Mechanical resistance and water tightness guarantee an efficient and reliable electrical connection.

 **VOLTAGE**  
24V

**OEX**

## EAB-12P

### ABS 5 Pin Plug Large Round

The connectors are a 5-pole version for the ABS braking system

 **VOLTAGE**  
12V



## EAB-12S

### ABS 5 Pin Socket Large Round

The connectors are a 5-pole version for the ABS braking system

 **VOLTAGE**  
12V



## ACX2880

### EBS/ABS Parking Socket

Suits both 12 or 24V plugs  
EBS/ABS sockets OEM  
Part No. 12V 00420600 24V 00585600

 **VOLTAGE**  
12/24V

**OEX**

## ACX2875

### EBS 7 Pin Plug Trailer Large

15/17mm screw terminal  
OEM Part No. 00520800

 **VOLTAGE**  
12V

**OEX**

## EBS-12P

### EBS 7 Pin Plug Trailer Large

15/17mm screw terminal  
OEM Part No. 00520800

 **VOLTAGE**  
12V





### ACX2876

EBS 7 Pin Plug Trailer Large

15/17mm screw terminal  
 OEM Part No. 00594800

**VOLTAGE**  
 24V



### ACX2878

EBS 7 Pin Plug Trailer Large

Multivolt plug 12/24V  
 11.5 - 14.5mm screw terminals  
 OEM Part No. 00595800

**VOLTAGE**  
 12/24V



### 82196

EBS 7 Pin Plug Trailer Large

Multivolt plug  
 11.5 - 14.5mm screw terminals  
 OEM Part No. 00595800

**VOLTAGE**  
 12/24V



### ACX2874

EBS 7 Pin Socket Trailer Large

EBS socket  
 7/12mm screw terminal  
 Bayonet straight  
 OEM Part No. 00425470

**VOLTAGE**  
 12V



### 82096

EBS 7 Pin Socket Trailer Large

EBS socket  
 7/12mm screw terminal  
 Bayonet straight  
 OEM Part No. 00425470

**VOLTAGE**  
 12V



### EBS-12S

7 Pin Socket Trailer Large

EBS socket  
 7/12mm screw terminal  
 OEM Part No. 00520800

**VOLTAGE**  
 12V

## ACX2877

### EBS 7 Pin Socket Trailer Large

EBS socket  
15.5mm screw terminal  
OEM Part No. 00584000

 VOLTAGE  
24V

**OEX**



## 82098

### EBS 7 Pin Socket Trailer Large

EBS socket  
15.5mm screw terminal  
OEM Part No. 00584000

 VOLTAGE  
24V

**NARVA**  
THE VISION TO GO FURTHER



## ACX2890

### ABS Suzi Coil

3.5m 5 core (2x 4mm<sup>2</sup> & 3x 1.5mm<sup>2</sup>)  
Cable thickness: 13.5mm  
2x short 250mm tails  
12V ABS Plugs included  
OEM Part No. 00556900

 VOLTAGE  
12V

**OEX**



## ACX2891

### ABS Suzi Coil

3.5m 5 core (2x 4mm<sup>2</sup> & 3x 1.5mm<sup>2</sup>)  
Cable thickness: 13.5mm  
2x short 250mm tails  
24V ABS plugs included  
OEM Part No. 00556170

 VOLTAGE  
24V

**OEX**



## EAB-12L

### ABS Suzi Coil with Plugs

4.5m 5 core  
2x short tails  
12V ABS plugs included

 VOLTAGE  
12V

**e-max**



## 00558780

### EBS Suzi Lead Cable

4m 7 core (2x 4mm<sup>2</sup> & 5x 1.5mm<sup>2</sup>)  
Cable thickness: 13.5mm  
2x short 250mm tails

**ERICH JAEGER**





### ACX2879

#### EBS Suzi Coil

4.5m 7 core 2x 4mm<sup>2</sup> & 5x 1.5mm<sup>2</sup>  
 2x short 250mm tails  
 Multivolt plugs included  
 OEM Part No. 005584 75

**VOLTAGE**  
12/24V



### 82560

#### EBS Suzi Coil

4.5m 7 core 2x 4mm<sup>2</sup> & 5x 1.5mm<sup>2</sup>  
 2x short 250mm tails  
 Multivolt plugs included  
 OEM Part No. 005584 75

**VOLTAGE**  
12/24V

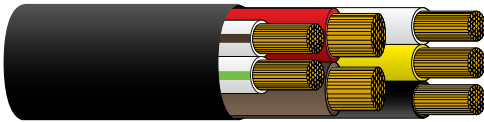


### ACX2892

#### EBS Suzi Coil

3.5m 7 core (2x 4mm<sup>2</sup> & 5x 1.5mm<sup>2</sup>)  
 Cable thickness 12mm  
 2x short 250mm tails  
 2x 24V EBS plugs included  
 OEM Part No. 00557900

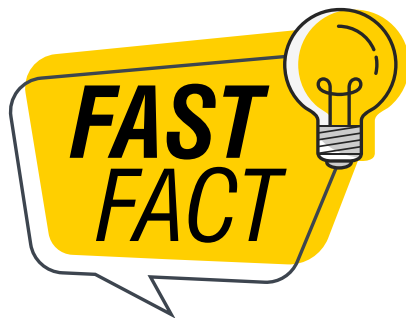
**VOLTAGE**  
24V



### ATRZ24515B50

#### 7 Core Cable EBS/ABS

Specialised cable for EBS trailer applications as per trailer braking Australian Design Rule ADR38/04  
 Conductor material: copper - oxygen free  
 Insulation type: V90HT to AS/NZS 3808:2000 UV stabilized, 4mm<sup>2</sup> 1.5mm<sup>2</sup>  
 Conductor cross section: 4.00mm<sup>2</sup>, 1.50mm<sup>2</sup>  
 Number of strands: 56, 30  
 Strand diameter: 0.3mm, 0.25mm



## Standard wiring connections for trailer plugs & sockets

PIN No.	Circuit	Colour
1	Left hand turn	Yellow
2	Reversing signal	Black
3	Earth return	White
4	Right hand turn	Green
5	Service breaks	Blue
6	Stop lights	Red
7	Rear lights, side & clearance lights	Brown

Flat - 7 Pin Plug



Flat - 7 Pin Socket



7 Pin Plug



7 Pin Socket



PIN No.	Circuit	Colour
1	Left hand turn	Yellow
2	Reversing signal	Black
3	Earth return	White
4	Right hand turn	Green
5	Service breaks	Blue
6	Stop lights	Red
7	Rear lights, side & clearance lights	Brown
8	Battery charger/winch	Orange
9	Auxiliaries/battery lead	Pink
10	Earth return	White
11	Rear fog light	Grey
12	Auxiliaries	Violet

Flat - 12 Pin Plug



Flat - 12 Pin Socket



Diagrams are for representation only



# Heat Shrink Polyolefin Tubing



Operating temperature: -55 to 125°C

Shrink ratio: 2:1

Shrink temperature: >90°C

Part No.	Inner Diameter	Length	Colour	Packaging
ACX1118	2.5mm	1.2m	Red	Bag
ACX1119	2.5mm	1.2m	Black	Bag
ACX1269	3.2mm	10m	Red	Box
ACX1270	3.2mm	10m	Black	Box
ACX1120BL	3.2mm	1.2m	Red	Bag
ACX1121BL	3.2mm	1.2m	Black	Bag
ACX1272	4.5mm	10m	Red	Box
ACX1274	4.5mm	10m	Black	Box
ACX1271BL	4.8mm	1.2m	Red	Bag
ACX1273BL	4.8mm	1.2m	Black	Bag
ACX1275	6.4mm	10m	Red	Box
ACX1276	6.4mm	10m	Black	Box
ACX1124BL	6.5mm	1.2m	Red	Bag
ACX1125BL	6.5mm	1.2m	Black	Bag
ACX1126BL	9mm	1.2m	Red	Bag
ACX1127BL	9mm	1.2m	Black	Bag
ACX1277	9.5mm	10m	Red	Box
ACX1278	9.5mm	10m	Black	Box
ACX1279	12mm	1.2m	Red	Bag
ACX1280	12mm	10m	Red	Box
ACX1281	12mm	1.2m	Black	Bag
ACX1282	12mm	10m	Black	Box
ACX1283	18.2mm	1.2m	Red	Bag
ACX1284	18.2mm	10m	Red	Box
ACX1285	18.2mm	1.2m	Black	Bag
ACX1286	18.2mm	10m	Black	Box
ACX1133	25.4mm	1.2m	Red	Bag
ACX1134	25.4mm	1.2m	Black	Bag
ACX1287	25.4mm	10m	Red	Box
ACX1288	25.4mm	10m	Black	Box
ACX1136	38mm	1.2m	Black	Bag





## Heat Shrink Polyolefin Tubing Assortment Kits

Operating temperature: -55 to 125°C

Shrink ratio: 2:1

Shrink temperature: >90°C



Part No.	Description
<b>ACX1137</b>	Contains 150mm lengths of 3.2mm to 6.5mm heat shrink Pack includes: 2x ACX1120, 2x ACX1123, 2x ACX1121, 2x ACX1124, 2x ACX1122, 2x ACX1125
<b>ACX1138</b>	Contains 150mm lengths of 9mm to 19mm heat shrink Pack includes: 2x ACX1126, 2x ACX1130, 2x ACX1127, 2x ACX1131, 2x ACX1129, 2x ACX1132



## Dual Wall Heat Shrink Polyolefin with Adhesive Tubing

Operating temperature: -55 to 105°C

Shrink temp 110°C

Shrink ratio 3:1



Part No.	Inner Diameter	Colour	Length	Packaging
<b>ACX1289</b>	3mm	Black	4x 300mm	Bag
<b>ACX1289R</b>	3mm	Red	4x 300mm	Bag
<b>ACX1290</b>	4.8mm	Black	4x 300mm	Bag
<b>ACX1290R</b>	4.8mm	Red	4x 300mm	Bag
<b>ACX1291</b>	6mm	Black	4x 300mm	Bag
<b>ACX1291R</b>	6mm	Red	4x 300mm	Bag
<b>ACX1293</b>	9mm	Black	4x 300mm	Bag
<b>ACX1293R</b>	9mm	Red	4x 300mm	Bag
<b>ACX1163</b>	10.2mm	Black	4x 300mm	Bag
<b>ACX1294</b>	12mm	Black	4x 300mm	Bag
<b>ACX1294R</b>	12mm	Red	4x 300mm	Bag
<b>ACX1295</b>	18mm	Black	4x 300mm	Bag
<b>ACX1295R</b>	18mm	Red	4x 300mm	Bag
<b>ACX1164</b>	19mm	Black	4x 300mm	Bag
<b>ACX1296</b>	24mm	Black	4x 300mm	Bag
<b>ACX1296R</b>	24mm	Red	4x 300mm	Bag
<b>ACX1165</b>	28mm	Black	4x 300mm	Bag
<b>ACX1297</b>	39mm	Black	4x 300mm	Bag
<b>ACX1297R</b>	39mm	Red	4x 300mm	Bag

## Dual Wall Heat Shrink Polyolefin with Adhesive Tubing



Operating temperature: -55 to 105°C

Shrink temp 110°C

Shrink ratio 3:1

Part No.	Inner Diameter	Colour	Length	Packaging
ACX1289L	3mm	Black	1.2m	Individual
ACX1289RL	3mm	Red	1.2m	Individual
ACX1290L	5mm	Black	1.2m	Individual
ACX1290RL	5mm	Red	1.2m	Individual
ACX1291L	6mm	Black	1.2m	Individual
ACX1291RL	6mm	Red	1.2m	Individual
ACX1293L	9mm	Black	1.2m	Individual
ACX1293RL	9mm	Red	1.2m	Individual
ACX1294L	12mm	Black	1.2m	Individual
ACX1294RL	12mm	Red	1.2m	Individual
ACX1295L	18mm	Black	1.2m	Individual
ACX1295RL	18mm	Red	1.2m	Individual
ACX1296L	24mm	Black	1.2m	Individual
ACX1296RL	24mm	Red	1.2m	Individual
ACX1297L	39mm	Black	1.2m	Individual
ACX1297RL	39mm	Red	1.2m	Individual



## ACX1097

### Heat Shrink Assortment Kit

300 pieces

Sizes 2.5mm to 25mm

Polyolefin tubing

Colours: Red & black

2:1 Shrink ration

Shrink temp 90°



## ACX1098

### Dual Wall Heat Shrink Assortment Kit

188 pieces

Sizes 3.2mm to 25mm

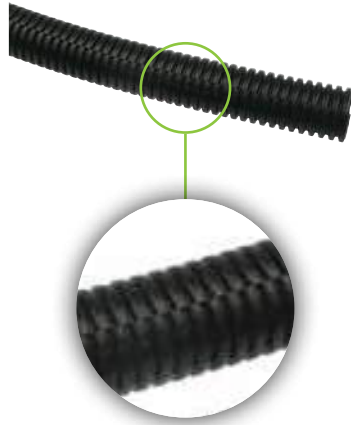
Polyolefin tubing adhesive lined

Colours: Red & black

3:1 Shrink ration

Shrink temp 90°





## Convoluted Split Tubing

Corrugated polypropylene tubing designed for flexible protection in general applications

Handy for tidying up wiring

Stops wires from dangling in dangerous places

Fire retardant polypropylene

Available in black only

Minimum continuous operating temperature: -200°C

Maximum continuous operating temperature: 900°C

Maximum peak operating temperature: 1200°C

UL flammability rating (halogenated FR system): HB or V2

FMVSS302 burn rate: Pass

Part No.	Inner Diameter	Outer Diameter	Length
<b>ACX1099/100</b>	5mm	8mm	100m
<b>ACX1100</b>	7mm	10.4mm	10m
<b>ACX1101</b>	7mm	10.4mm	30m
<b>ACX1102/100</b>	7mm	10.4mm	100m
<b>ACX1102</b>	7mm	10.4mm	200m
<b>ACX1100/400</b>	7mm	10.4mm	400m
<b>ACX1103</b>	9.7mm	12.8mm	10m
<b>ACX1104</b>	9.7mm	12.8mm	30m
<b>ACX1105</b>	9.7mm	12.8mm	125m
<b>ACX1105/250</b>	9.7mm	12.8mm	250m
<b>ACX1106</b>	12.6mm	15.7mm	10m
<b>ACX1107</b>	12.6mm	15.7mm	30m
<b>ACX1108</b>	12.6mm	15.7mm	75m
<b>ACX1108/150</b>	12.6mm	15.7mm	150m
<b>ACX1109</b>	16.3mm	20.9mm	10m
<b>ACX1110</b>	16.3mm	20.9mm	30m
<b>ACX1111</b>	16.3mm	20.9mm	50m
<b>ACX1111/100</b>	16.3mm	20.9mm	100m
<b>ACX1112</b>	21.1mm	25.2mm	10m
<b>ACX1113</b>	21.1mm	25.2mm	30m
<b>ACX1113/100</b>	21.1mm	25.2mm	100m
<b>ACX1114</b>	23mm	27mm	10m
<b>ACX1115</b>	23mm	27mm	30m
<b>ACX1116</b>	29mm	33mm	3m
<b>ACX1117</b>	29mm	33mm	10m
<b>ACX1117/50</b>	29mm	33mm	50m
<b>ACX1215</b>	36mm	42mm	5m
<b>ACX1216/10</b>	36mm	42mm	10m
<b>ACX1219</b>	36mm	42mm	25m
<b>ACX1217</b>	48mm	54mm	10m
<b>ACX1218</b>	48mm	54mm	25m



# Convuluted Non Split Tubing



Corrugated polypropylene tubing designed for flexible protection in general applications

Handy for tidying up wiring

Stops wires from dangling in dangerous places

Fire retardant polypropylene

Available in black only

Minimum continuous operating temperature: -200°C

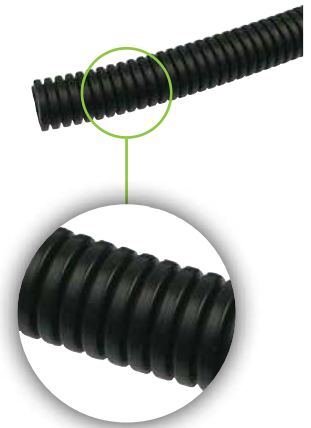
Maximum continuous operating temperature: 900°C

Maximum peak operating temperature: 1200°C

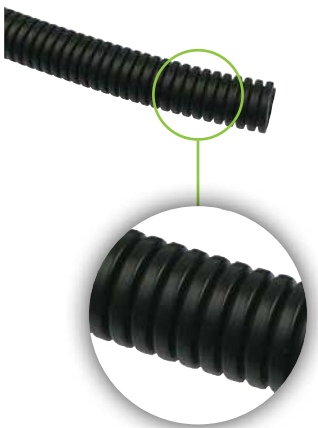
UL flammability rating (halogenated FR system): HB or V2

FMVSS302 burn rate: Pass

Part No.	Inner Diameter	Outer Diameter	Length
ACX1151	7mm	10.4mm	10m
ACX1152	7mm	10.4mm	30m
ACX1153	9.9mm	13mm	10m
ACX1154	9.9mm	13mm	30m
ACX1155	12.8mm	15.9mm	10m
ACX1156	12.8mm	15.9mm	30m
ACX1157	16.6mm	21.2mm	10m
ACX1158	16.6mm	21.2mm	30m
ACX1159	21.2mm	25.3mm	10m
ACX1160	21.2mm	25.3mm	30m
ACX1162	23mm	27mm	10m
ACX1167	29mm	33mm	10m



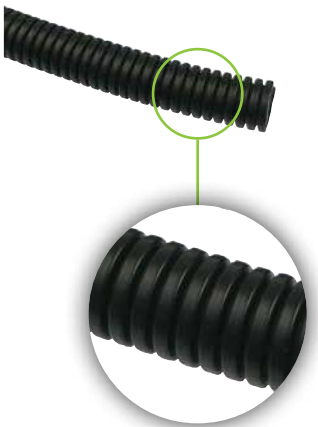




## Heavy Duty Convoluted Non Split Tubing

Corrugated nylon tubing designed for flexible protection in high temperature applications  
 Minimum continuous operating temperature: -40°C  
 Maximum continuous operating temperature: 120°C  
 Maximum peak operating temperature: 150°C UL flammability rating (halogenated FR system): V-0  
 FMVSS302 Burn Rate: Pass

Part No.	Inner Diameter	Outer Diameter	Length
ACX1192	5.8mm	10mm	50m
ACX1360	6.4mm	10mm	100m
ACX1359	8.5mm	10mm	100m
ACX1193	9mm	13mm	50m
ACX1361	10mm	12mm	100m
ACX1194	11.6mm	15.8mm	50m
ACX1362	13mm	16mm	50m
ACX1195	14.5mm	21mm	30m
ACX1363	16mm	20mm	50m
ACX1364	20mm	25mm	50m
ACX1196	21.1mm	28.5mm	30m
ACX1365	23mm	27mm	50m
ACX1197	26.6mm	34.5mm	30m
ACX1366	29mm	33mm	50m
ACX1367	36mm	42mm	25m
ACX1368	50mm	54mm	25m



## Extra Heavy Duty Convoluted Non Split Tubing

IP69K rated

Part No.	Inner Diameter	Outer Diameter	Length
ACX1390	6.4mm	8mm	100m
ACX1391	8.5mm	10mm	100m
ACX1392	10mm	12mm	100m
ACX1393	13mm	16mm	50m
ACX1394	16mm	20mm	50m
ACX1395	20mm	25mm	50m
ACX1396	23mm	27mm	50m

## PVC Sleeving

Smooth sleeving designed primarily for the insulation of electrical conductors and connections of electrical apparatus  
Available in black only

Part No.	Inner Diameter	Outer Diameter	Length
ACX1139	6mm	10mm	25m
ACX1140	9mm	13mm	25m
ACX1141	13mm	17mm	25m

OEX



## Spiral Wrap

Handy for tidying up wiring  
Made from P.E. material. Excellent in insulation and binding strength  
Available in black only

Part No.	Inner Diameter	Maximum Size	Length
ACX1182	6mm	18mm	10m
ACX1170	6mm	18mm	25m
ACX1183	12.5mm	35mm	10m
ACX1171	12.5mm	35mm	25m

OEX



## Double Split Convuluted Tubing

Halogen and cadmium free

Part No.	Length	Standard Size	Inside Diameter	Outside Diameter
ACX1262	50m	14mm	8.8mm	13.5mm

OEX





## Heavy Duty Spiral Wrap

Heavy duty spiral wrap is designed for use in applications requiring protection of electrical cable, hydraulic hose, air and gas lines. The excellent durability of the wrap provides enhanced impact and abrasion resistance, safeguarding the integrity of the contents

Part No.	Inner Diameter	Maximum Size	Length
ACX1450	12mm	17mm	20m
ACX1451	15mm	22mm	20m
ACX1452	19mm	28mm	20m
ACX1453	23mm	33mm	20m
ACX1454	30mm	42mm	20m
ACX1455	38mm	54mm	20m
ACX1456	47mm	65mm	20m



## Nylon Cable Gland

UL approved nylon 66  
Rated to IP68

Part No.	Inner Diameter	Conduit Size	Thread Length	Mounting Hole	Pack Qty
ACX1340	6.9mm	3 - 6.5mm	7.9mm	12mm	10
ACX1341	10.5mm	5 - 10mm	15.5mm	16mm	10
ACX1342	14mm	10 - 14mm	15mm	20mm	10
ACX1343	18.4mm	13 - 18mm	15.2mm	25mm	5
ACX1344	25mm	18 - 25mm	14.7mm	32mm	2
ACX1345	33mm	22 - 32mm	18.4mm	40mm	2
ACX1346	40mm	30 - 38mm	17.8mm	50mm	2
ACX1347	44mm	34 - 44mm	18.5mm	63mm	2



## Convoluted Tubing Fitting T-Piece

Snap lock fitting can be used with both split & nonsplit convoluted tubing  
Easy to use  
Fire retardant polypropylene  
Available in black only

Part No.	Suit Tube Size	Fitting Type
ACX1172	10mm	T- Piece
ACX1173	13mm	T- Piece
ACX1174	10/13mm (10mm Center)	T- Piece
ACX1176	13/16mm (13mm Center)	T- Piece
ACX1178	13/20mm (13mm Center)	T- Piece

## Convuluted Tubing Fitting Y-Piece

Snap lock fitting can be used with both split & nonsplit convoluted tubing  
 Easy to use  
 Fire retardant polypropylene  
 Available in black only

Part No.	Suit Tube Size	Fitting Type
<b>ACX1179</b>	10/13/16mm	Y- Piece
<b>ACX1180</b>	13/16mm	Y- Piece
<b>ACX1181</b>	10/16mm	Y- Piece



**OEX**

## Convuluted Tubing Straight Adaptor

Snap lock fitting can be used with both split and non split fittings  
 High grade formulated polyamide - excellent impact strength  
 Halogen & cadmium free  
 Self-extinguishing  
 Minimum continuous operating temperature: -40 °C  
 Maximum continuous operating temperature: 105 °C  
 Maximum peak operating temperature: 160 °C  
 Rated IP68

Part No.	Suit Conduit Size	Thread Type	Overall Length	Thread Length
<b>ACX1220</b>	10mm	M12 x 1.5	34.5mm	11mm
<b>ACX1221</b>	12mm	M12 x 1.5	36.5mm	11mm
<b>ACX1222</b>	16mm	M16 x 1.5	39.5mm	11mm
<b>ACX1223</b>	20mm	M20 x 1.5	47.5mm	11mm
<b>ACX1224</b>	25mm	M25 x 1.5	52mm	12mm
<b>ACX1225</b>	32mm	M32 x 1.5	56mm	15mm
<b>ACX1226</b>	40mm	M40 x 1.5	72.5mm	19mm



**OEX**

## Conduit Support

Part No.	Conduit Size	Dimensions
<b>ACX1247</b>	12mm	20.5 x 24.5 x 20mm
<b>ACX1248</b>	16mm	24 x 27 x 20mm
<b>ACX1249</b>	20mm	30 x 34 x 20mm
<b>ACX1250</b>	25mm	38.5 x 42 x 20mm





## Convuluted Tubing Fitting Elbow

Snap lock fitting can be used with both split and non split fittings  
 High grade formulated polyamide - excellent impact strength  
 Halogen & cadmium free  
 Self-extinguishing  
 Minimum continuous operating temperature: -40°C  
 Maximum continuous operating temperature: 105°C  
 Maximum peak operating temperature: 160°C  
 Rated IP68

Part No.	Thread	Fit Conduit Size	External Dimensions	Thread Length	Style
<b>ACX1351</b>	M16 x 1.5	12mm	34 x 40.5mm	11mm	Elbow 90°
<b>ACX1352</b>	M16 x .5	16mm	38.5 x 46mm	11mm	Elbow 90°



## Conduit Fitting 90° Elbow

High grade formulated polyamide  
 Halogen & cadmium free  
 Self-extinguishing  
 Minimum continuous operating temperature: -40°C  
 Maximum continuous operating temperature: 105°C  
 Maximum peak operating temperature: 160°C  
 Rated IP68

Part No.	Thread	Fit Conduit Size	Dimensions	Thread Length
<b>ACX1228</b>	M20 x 1.5	20mm	47.5 x 73mm	11
<b>ACX1230</b>	M32 x 1.5	32mm	70.5 x 93mm	15
<b>ACX1231</b>	M40 x 1.5	40mm	85 x 121mm	19



## Convuluted Tubing Fitting Y-Piece

Snap lock fitting can be used with both split and non split fittings  
 High grade formulated polyamide - excellent impact strength  
 Halogen & cadmium free  
 Self-extinguishing  
 Minimum continuous operating temperature: -40°C  
 Maximum continuous operating temperature: 105°C  
 Maximum peak operating temperature: 160°C  
 Rated IP68

Part No.	Suit Tube Size	Fitting Type
<b>ACX1233</b>	10/12mm	Y- Piece
<b>ACX1234</b>	12/16mm	Y- Piece
<b>ACX1235</b>	20/16mm	Y- Piece

## Convuluted Tubing Fitting T-Piece

Snap lock fitting can be used with both split and non split fittings  
 High grade formulated polyamide - excellent impact strength  
 Halogen & cadmium free  
 Self-extinguishing  
 Minimum continuous operating temperature: -40°C  
 Maximum continuous operating temperature: 105°C  
 Maximum peak operating temperature: 160°C  
 Rated IP68

Part No.	Suit Tube Size	Fitting Type
<b>ACX1239</b>	12mm	T- Piece
<b>ACX1240</b>	16mm	T- Piece
<b>ACX1241</b>	20mm	T- Piece
<b>ACX1242</b>	25mm	T- Piece
<b>ACX1244</b>	32mm	T- Piece



## Convuluted Tubing Reducer Fitting

Snap lock fitting can be used with both split and non split fittings  
 High grade formulated polyamide - excellent impact strength  
 Halogen & cadmium free  
 Self-extinguishing  
 Minimum continuous operating temperature: -40°C  
 Maximum continuous operating temperature: 105°C  
 Maximum peak operating temperature: 160°C  
 Rated IP68

Part No.	Fit Conduit Size	Reduced to	External Dimensions	Style
<b>ACX1355</b>	20mm	16mm	54mm	Straight
<b>ACX1356</b>	25mm	20mm	62mm	Straight



## Fabric Heat Shrink Tubing

Chemical resistance  
 Shrinks to 1/2 its original diameter - designed to provide mechanical abrasion protection. Useful for rubber hoses, plastic pipes & wiring bundles  
 Non flame retardant  
 Minimum continuous operating temperature: -40°C  
 Maximum continuous operating temperature: 125°C  
 Abrasion resistance: High  
 Colour: Black

Part No.	Nominal Diameter	Nominal Size/Shrunk Size	Length
<b>H2F0.48BK</b>	127mm	12-6mm	1.2m
<b>H2F0.79BK</b>	19.1mm	20-10mm	1.2m
<b>H2F1.18BK</b>	30.2mm	30-15mm	1.2m
<b>H2F1.58BK</b>	38.1mm	40-20mm	1.2m







## Clean Cut Tubing

General purpose hose, pipe or cable protection - scissor cut for easy, fray resistant installation  
 Halogen free, RoHS compliant, UL/CSA approved  
 Minimum continuous operating temperature: -75°C  
 Maximum continuous operating temperature: 125°C  
 Maximum peak operating temperature: 250°C  
 Abrasion resistance: Medium  
 Colour: Black

Part No.	Nominal Diameter	Expansion Range	Length
<b>CCP0.25BK</b>	6mm	4-11mm	30m
<b>CCP0.38BK</b>	10mm	4.8-16mm	30m
<b>CCP0.75BK</b>	19mm	16-25.5mm	30m



## Dura-Flex Pro Tubing

Advanced heavy duty hose protection  
 Halogen free, RoHS compliant, UL/CSA approved  
 Minimum continuous operating temperature: -45°C  
 Maximum continuous operating temperature: 120°C  
 Maximum peak operating temperature: 210°C  
 Abrasion resistance: Extremely high  
 Colour: Black

Part No.	Nominal Diameter	Length
<b>DPN0.75BK</b>	18mm	15m
<b>DPN1.13BK</b>	28.7mm	15m



## F6 Flame Retardant Tubing

Flexible, semi-rigid sleeving  
 Will not support combustion  
 Halogen free, RoHS compliant, VW-1 flammability rating, ISO6945 certified  
 Minimum continuous operating temperature: -70°C  
 Maximum continuous operating temperature: 125°C  
 Maximum peak operating temperature: 230°C  
 Abrasion resistance: High  
 Colour: Black

Part No.	Nominal Diameter	Length
<b>F6F0.25TB</b>	6mm	30m
<b>F6F0.38TB</b>	10mm	20m
<b>F6F0.50TB</b>	13mm	20m
<b>F6F0.75TB</b>	19mm	15m

## Flexo Nylon Tubing



Commonly used in automotive industry to protect hoses and wire harnesses from excessive wear

Halogen free, RoHS compliant

Minimum continuous operating temperature: -45°C

Maximum continuous operating temperature: 120°C

Maximum peak operating temperature: 220°C

Abrasion resistance: High

Colour: Black

Part No.	Inside Diameter	Expansion Range	Length
<b>NYNO.13BK</b>	3mm	2.4 - 6.4mm	68m
<b>NYNO.25BK</b>	10mm	3.2 - 9.5mm	60m
<b>NYNO.38BK</b>	6mm	6.4 - 11.1mm	37m
<b>NYNO.50BK</b>	13mm	9.5 - 19.1mm	30m
<b>NYNO.63BK</b>	11mm	11.1 - 25.4mm	30m
<b>NYNO.75BK</b>	13mm	12.7 - 31.8mm	22m
<b>NYN1.00BK</b>	25mm	15.9 - 34.9mm	15m



## F6 Flexo Split Tubing



General purpose hose, pipe or cable protection semi-rigid wrappable split braided tube

Halogen free, RoHS compliant, UL/CSA approved

Flexible, semi-rigid wrappable split braided tube

Minimum continuous operating temperature: -70°C

Maximum continuous operating temperature: 125°C

Maximum peak operating temperature: 250°C

Abrasion resistance: Medium

Colour: Black

Part No.	Nominal Diameter	Length
<b>F6NO.25BK</b>	6mm	30m
<b>F6NO.38BK</b>	10mm	22m
<b>F6NO.50BK</b>	13mm	20m
<b>F6NO.75BK</b>	19mm	15m
<b>F6N1.00BK</b>	25mm	15m





## Flexo Super Duty

Heavy duty, light weight and flexible

General purpose hose, pipe or cable protection - scissor cut for easy, fray resistant installation

Halogen free, RoHS compliant, UL/CSA approved

Minimum continuous operating temperature: -45°C

Maximum continuous operating temperature: 150°C

Maximum peak operating temperature: 250°C

Abrasion resistance: High

Colour: Black

Part No.	Nominal Diameter	Range	Length
<b>SDNO.25BK</b>	6.4mm	6.4 - 12.7mm	30mm
<b>SDNO.50BK</b>	12.7mm	12.7 - 25.4mm	30mm
<b>SDNO.75BK</b>	19.1mm	19.1 - 31.8mm	15mm
<b>SDN1.00BK</b>	25.4mm	25.4 - 38.1mm	15mm

## Cable Ties - Black

Nylon/PVC cable tie  
UV resistant

Part No.	Length	Width	Material	Pack Qty
TDR06155	100mm	2.5mm	Nylon	100
TDR06154	150mm	3.7mm	Nylon	100
TDR06153	203mm	4.6mm	Nylon	100
TDR06152	292mm	3.6mm	Nylon	100
TDR06151	368mm	4.8mm	Nylon	100
TDR06150	380mm	8mm	Nylon	100



**OEX**

## Cable Ties - Black

Nylon/PVC cable tie  
UV resistant

Part No.	Length	Width	Material	Pack Qty
ACX1315	100mm	2.5mm	Nylon	100
ACX1316	150mm	3.6mm	Nylon	100
ACX1317	200mm	3.6mm	Nylon	100
ACX1318	200mm	4.8mm	Nylon, with mounting hole	100
ACX1328	200mm	4.8mm	Nylon, releasable cable ties	100
ACX1319	300mm	4.8mm	Nylon	100
ACX1321	340mm	7.6mm	Nylon	100
ACX1320	370mm	7.6mm	Nylon	100
ACX1326	530mm	9mm	Nylon	100



## Cable Tie Assortment Kit

All cable ties are made from 6/6 weather resistant nylon.  
Includes 1000 cable ties in total  
Premium quality

Part Number	Dimensions	Material	Pack Qty
ACX1325	100 x 2.5mm, 2x 100 pack 150 x 3.6mm, 2x 100 pack 200 x 4.8mm, 4x 100 pack 290 x 3.6mm, 2x 100 pack	Nylon/PVC tie	1,000



**OEX**



## Cable Tie Assortment Kit

UV resistant

Part Number	Dimensions	Material	Pack Qty
<b>TDR06156</b>	Orange: 100 x 2.5mm, 100 Pack	Nylon/PVC tie	1,000
	Dark Blue: 100 x 2.5mm, 100 Pack		
	Light Blue: 120 x 2.5mm, 100 Pack		
	Black: 120 x 2.5mm, 100 Pack		
	Yellow: 150 x 2.5mm, 100 Pack		
	Red: 200 x 2.5mm, 100 Pack		
	Purple: 200 x 2.5mm, 100 Pack		
	White: 180 x 3.7mm, 100 Pack		
	Green: 200 x 4.8mm, 50 Pack		
	Grey: 200 x 4.8mm, 50 Pack		

HellermannTyton



## Dual Clamp Cable Tie - Black

UV resistant

Part Number	Length	Width	Material	Pack Qty
<b>DCT110HIR/W</b>	489mm	12.7mm	Nylon/PVC tie mount	50

HellermannTyton



## Dual Swivel Spacer

Used to separate air conditioning hoses, looms, etc.

UV resistant

Part Number	Length	Width	Mount	Pack Qty
<b>DSW550HS</b>	23.6mm	20.3mm	Swivel	1
<b>DSWS50HSK2</b>	40.6mm	25.4mm	Swivel	1



## Cable Tie Mount

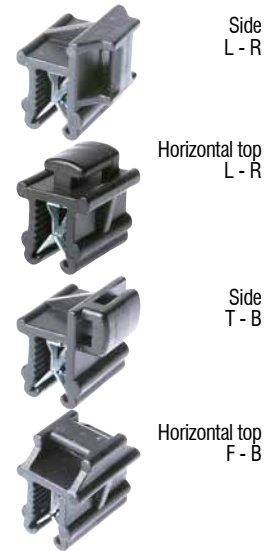
Self adhesive back

Part Number	Length	Width	Description	Pack Qty
<b>ACX1324</b>	19mm	19mm	Suits cable ties up to 3.0mm wide	25
<b>ACX1322</b>	19mm	19mm	Can be screw mounted if required Suits cable ties up to 5.0mm wide	100

## Cable Tie Edge Clips

Nylon/PVC cable tie  
UV resistant

Part No.	Description	Mounting Clip	Pack Qty
<b>ACX1420</b>	Horizontal top L - R	0.7 - 3mm thickness	20
<b>ACX1422</b>	Horizontal top F - B	0.7 - 3mm thickness	20
<b>ACX1421</b>	Side T - B	0.7 - 3mm thickness	20
<b>ACX1423</b>	Side F - B	0.7 - 3mm thickness	20
<b>ACX1424</b>	Horizontal Top F - B	3 - 6mm thickness	20
<b>ACX1425</b>	Horizontal top L - R	3 - 6mm thickness	20
<b>ACX1426</b>	Side T - B	3 - 6mm thickness	20
<b>ACX1427</b>	Side L - R	3 - 6mm thickness	20



## Cable Tie Edge Clips

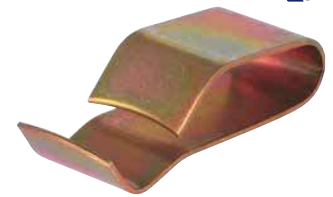
Nylon/PVC cable tie  
UV resistant

Part No.	Description	Mounting Clip	Pack Qty
<b>ACX1441</b>	Horizontal mount 150mm long	0.7 - 3mm Thickness	20
<b>ACX1442</b>	Vertical mount 150mm long	0.7 - 3mm Thickness	20



## Steel Chassis Clips

Part Number	Inside Diameter	Mounting Hole	Material	Pack Qty
<b>ACX1304</b>	5 - 7mm	6mm	Zinc plated steel	25
<b>ACX1305</b>	8 - 10mm	6mm	Zinc plated steel	25
<b>ACX1306</b>	16 - 20mm	6mm	Zinc plated steel	25







## Conduit Edge Clips

Nylon

Suits material thickness: 0.7mm - 3mm

Vertical top



Horizontal top



Side



Part No.	Description	Tie/Mount Type	Mounting Clip	Pack Qty
<b>ACX1428</b>	Vertical top	Suits 4.5mm conduit	0.7 - 3mm	20
<b>ACX1431</b>	Vertical top	Suits 4.5mm conduit	3 - 6mm	20
<b>ACX1436</b>	Horizontal side	Suits 4.5mm conduit	0.7 - 3mm	20
<b>ACX1438</b>	Horizontal side	Suits 4.5mm conduit	3 - 6mm	20
<b>ACX1429</b>	Vertical top	Suits 7.5mm conduit	0.7 - 3mm	20
<b>ACX1439</b>	Horizontal side	Suits 7.5mm conduit	3 - 6mm	20
<b>ACX1437</b>	Horizontal side	Suits 10mm conduit	0.7 - 3mm	20
<b>ACX1440</b>	Horizontal side	Suits 10mm conduit	3 - 6mm	20
<b>ACX1434</b>	Horizontal top	Suits 10mm conduit	0.7 - 3mm	20
<b>ACX1435</b>	Horizontal top	Suits 13mm conduit	3 - 6mm	20
<b>ACX1432</b>	Vertical top	Suits 13mm conduit	0.7 - 3mm	20
<b>ACX1430</b>	Vertical top	Suits 17mm conduit	3 - 6mm	20



## Nylon P-Clips

Temp rated: -40 to 85°C



Part Number	Inside Diameter	Mounting Hole	Material	Pack Qty	Colour
<b>ACX1300BK</b>	4.6mm	6mm	Nylon	100	Black
<b>ACX1300</b>	4.6mm	6mm	Nylon	100	White
<b>ACX1301BK</b>	7.4mm	6mm	Nylon	100	Black
<b>ACX1301</b>	7.4mm	6mm	Nylon	100	White
<b>ACX1302BK</b>	10mm	6mm	Nylon	100	Black
<b>ACX1302</b>	10mm	6mm	Nylon	100	White
<b>ACX1303BK</b>	13.5mm	6mm	Nylon	100	Black
<b>ACX1303</b>	13.5mm	6mm	Nylon	100	White



## Rounded Mounting Tab P-Clips

PVC coated steel P-Clip



Part Number	Inside Diameter	Mounting Hole	Material	Pack Qty
<b>ACX1370</b>	6mm	6mm	PVC coated zinc plated steel	25
<b>ACX1371</b>	8mm	6mm	PVC coated zinc plated steel	25
<b>ACX1372</b>	10mm	6mm	PVC coated zinc plated steel	25
<b>ACX1373</b>	13mm	6mm	PVC coated zinc plated steel	25
<b>ACX1374</b>	16mm	6mm	PVC coated zinc plated steel	25
<b>ACX1375</b>	19mm	6mm	PVC coated zinc plated steel	25
<b>ACX1376</b>	22mm	6mm	PVC coated zinc plated steel	25



## Rounded Long Mounting Tab P-Clips

PVC coated steel P-Clip

Part Number	Inside Diameter	Mounting Hole	Material	Pack Qty
<b>ACX1377</b>	20mm	10mm	PVC coated zinc plated steel	25
<b>ACX1378</b>	24mm	10mm	PVC coated zinc plated steel	25
<b>ACX1379</b>	26mm	10mm	PVC coated zinc plated steel	25
<b>ACX1381</b>	32mm	10mm	PVC coated zinc plated steel	25
<b>ACX1382</b>	34mm	10mm	PVC coated zinc plated steel	25
<b>ACX1383</b>	36mm	10mm	PVC coated zinc plated steel	25
<b>ACX1384</b>	38mm	10mm	PVC coated zinc plated steel	25
<b>ACX1385</b>	40mm	10mm	PVC coated zinc plated steel	25

**OEX**



## Square Mounting Tab P-Clips

PVC coated steel P-Clip

Part Number	Inside Diameter	Mounting Hole	Material	Pack Qty
<b>ACX1307</b>	5mm	6mm	PVC coated zinc plated steel	25
<b>ACX1308</b>	8mm	6mm	PVC coated zinc plated steel	25
<b>ACX1309</b>	10mm	6mm	PVC coated zinc plated steel	25
<b>ACX1310</b>	12.7mm	6mm	PVC coated zinc plated steel	25
<b>ACX1311</b>	18mm	6mm	PVC coated zinc plated steel	25
<b>ACX1312</b>	20mm	6mm	PVC coated zinc plated steel	25
<b>ACX1313</b>	23.8mm	6mm	PVC coated zinc plated steel	25
<b>ACX1314</b>	25mm	6mm	PVC coated zinc plated steel	25

**OEX**



# VISUAL & AUDIO

Camera Kits, Horns & Reverse

Pilot Lights

Alarms-Audio-UHF

Lifestyle-Pumps

Gauges







80

100

120

140

0





# ULTIMATE SAFETY SOLUTIONS

At ECCO, safety is our business.  
We make products that take care  
of people, so they can take care  
of business.



Warning Lighting • Directional Lighting • Lightbars • Worklamps • Reversing Safety

[www.eccoeshg.com/au](http://www.eccoeshg.com/au)

## Horn Disc High Tone

2x blade terminals  
Single bolt mounting with straight bracket

Part No.	Decibels	Volts	Diameter
ACX5119	95-105dB	12V	68mm
ACX5117	100dB	12V	92mm
ACX5118	115dB	24V	92mm
ACX5101	110dB	24V	92mm



OEX

CAMERA KITS, HORNS & REVERSE

## ACX5108

Twin Air Horn High/Low Tone

Electric twin air horn  
Red plastic construction  
Mounting kit supplied  
74/84Hz

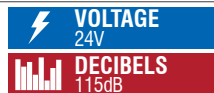


OEX

## ACX5107

Trumpet Horn Twin

Electric twin horn  
Stainless steel construction  
2.85A draw @ 24V



OEX

## ACX5017BL

Warning Buzzer Black

Surface mount  
Compact design

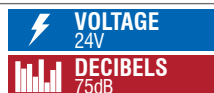


OEX

## ACX5018BL

Warning Buzzer Red

Surface mount  
Compact design



OEX

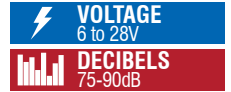




## 0960SAH

### Warning Buzzer Continuous Siren

Fully encapsulated piezo electronics  
Extends product life & reduces power draw



## Warning Buzzer Fast Pulse

Fully encapsulated piezo electronics  
Extends product life & reduces power draw

Part No.	Type	Decibels	Volts	Mounting Dia.
ACX5110	Fast pulse	80dB	12-48V	31.75mm
ACX5111	Continuous	80dB	12-48V	31.75mm
ACX5112	Fast pulse	80dB	12-48V	31.75mm
ACX5113	Continuous	86dB	12-48V	31.75mm
ACX5114	Fast pulse	80dB	12-48V	31.75mm



## Back Up Alarm

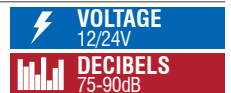
Part No.	Type	Decibels	Volts	Connector
10-20001	Reverse	97dB	12-48V	Stud
10-20002	Reverse	97dB	12-48V	Pre-wired



## ACX5014

### Back Up Horn Slow Pulse

To suit applications with intermittent audible warning  
Frequency 2800Hz  
Unit has a bracket for easy installation  
Pre-wired



## Back Up Alarm Fixed

Self resonating circuitry monitors the frequency of the alarm's sound output on each cycle & adjusts to the optimum frequency for prevailing conditions

This feature maintains the most effective warning signal possible for the life of the alarm by compensating for speaker aging

Temperature & humidity variations, as well as the effect of dust & moisture deposits

Dimensions: 102 x 41 x 71mm

Part No.	Decibels	Volts	Connector
ACX5130	97dB	12-24V	Stud
ACX5132	97dB	12-48V	Stud
ACX5134	102dB	12-24V	Stud
ACX5136	107dB	12-24V	Pre-wired
ACX5133	87dB	12-80V	Stud





## Back Up Smart Alarm Fixed

Smart alarms self-adjust to their environment as they constantly measure ambient noise & adjust their sound level to 5dB(A) above

Longer bracket for reverse and universal mounted

Speaker protects against dust, moisture & vibration

Part No.	Decibels	Volts	Dimensions
ACX5144	82-107dB	12/24V	127 x 71 x 76mm
ACX5146	87-112dB	12/24V	108 x 78 x 108mm
ACX5147	87-112dB	12/24V	146 x 78 x 103mm
ACX5161	77-97dB	12/48V	102 x 47 x 71mm



## ACX5148

### Back Up Alarm

Commonly used to replace the original back up alarms on Caterpillar equipment

	<b>VOLTAGE</b> 12/24V
	<b>DECIBELS</b> 97-112dB
	<b>DIMENSIONS</b> 127 x 71 x 76mm



## ACX5139

### Back Up Alarm

BAC-A-LARM

Reverse mounted speaker protects against dust moisture & vibration

Pre-wired

	<b>VOLTAGE</b> 12 to 36V
	<b>DECIBELS</b> 107dB
	<b>TEMP</b> -40°C to 85°C
	<b>DIMENSIONS</b> 127 x 71 x 76mm



## Back Up Alarms Fixed

Back up alarm dual tone

Compact design & universal mounting maximises location options

Pre-wired/stud

Part No.	Type	Decibels	Volts
ACX5142	Fixed	102dB	12/24V
ACX5145	Fixed	97dB	12/24V



## ACX5152

### Back Up Alarm

Compact design & universal mounting maximises location options

Night reduction reverse alarm

Switches to lower volume when lights are turned on

Pre-wired

Night mode activated by turning on park lights reducing tone to 87dB

	<b>VOLTAGE</b> 12/24V
	<b>DECIBELS</b> 87-97dB
	<b>TEMP</b> -40°C to 85°C
	<b>DIMENSIONS</b> 102 x 41 x 71mm





## Back Up Alarm Multi Frequency

Ecco's multi-frequency alarms use a range of sound frequencies within a narrow band to emit a warning signal that is more directional & is perceived to dissipate quicker than a pure-tone alarm

Part No.	Type	Decibels	Volts
<b>ACX5157</b>	Fixed	82dB	12/24V
<b>ACX5153</b>	Fixed	87dB	12/24V
<b>ACX5158</b>	Fixed	92dB	12/24V
<b>ACX5154</b>	Fixed	97dB	12/24V



## ACX5159

### Back Up Alarm

The multi-frequency back-up alarm provides a solution to potential noise pollution created by back up alarms in confined or densely populated work areas

Self adjusting for optimum volume level

Constantly measures ambient noise & adjusts sound to 5dB(A) above

Multi-frequency "squashed duck type" sound

Sealed in epoxy for protection against dust, moisture & vibration

	<b>VOLTAGE</b> 12 or 24V
	<b>DECIBELS</b> 77-97dB
	<b>ENVIRONMENT</b> IP65K
	<b>DIMENSIONS</b> 128 x 77 x 67mm



## Back Up Alarms

Ecco's multi-frequency alarms use a range of sound frequencies within a narrow band to emit a warning signal that is more directional & is perceived to dissipate quicker than a pure-tone alarm

Part No.	Type	Decibels	Volts
<b>ACX5155</b>	Fixed	102dB	12/24V
<b>ACX5156</b>	Fixed	107dB	12/24V
<b>ACX5151</b>	Adjusting	87-107dB	12/24V



## BA102

### Back Up Alarm Fixed

A cost effective alternative back up alarm that releases the squawk tone required on specific work sites

	<b>VOLTAGE</b> 12/48V
	<b>DECIBELS</b> 102dB
	<b>ENVIRONMENT</b> IP67



## BA107

### Back Up Alarm

A cost effective alternative back up alarm that releases the squawk tone required on specific work sites

	<b>VOLTAGE</b> 12/48V
	<b>DECIBELS</b> 107dB
	<b>ENVIRONMENT</b> IP67

## Back Up Alarms Fixed

Broadband back up alarm

White sound reversing alarms use broadband frequencies. These give greater directional information to the ear allowing the listener to instantly locate where the sound is coming from

Ideal for forklifts, commercial vehicles and cars

Epoxy-sealed against mud, water & vibration

Unique multi frequency white sound & eliminates noise complaints

Pre-wired

Temperature: -40°C - 85°C

IP Rating : IP68K

**BRIGADE**



Part No.	Decibels	Volts	Amps	Dimensions
<b>BBS87</b>	82dB	12-24V	0.5A	105 x 65 x 32mm
<b>BBS82</b>	87dB	12/24V	0.5A	105 x 65 x 32mm
<b>BBS92</b>	92dB	12/24V	0.3A	105 x 65 x 32mm
<b>BBS97</b>	97dB	12/24V	0.5A	127 x 76 x 65mm

## Back Up Alarm

Back-up alarm broadband

White sound reversing alarms use broadband frequencies. These give greater directional information, to the ear allowing the listener to instantly locate where the sound is coming from.

Smart BBS models continually adjust to 5-10dB above ambient noise levels

Pre-wired

Temperature: -40°C - 85°C

IP Rating: IP68K

**BRIGADE**



Part No.	Decibels	Volts	Amps	Dimensions
<b>BBS102</b>	102dB	12/24V	1A	172 x 79 x 95mm
<b>BBS107</b>	107dB	12/24V	1A	172 x 79 x 95mm
<b>SA-BBS107</b>	87-102dB	12/24V	1A	172 x 79 x 95mm






## SA-BBS97

Back Up Alarm

Back up alarm broadband, self adjusting

White sound reversing alarms use broadband frequencies these give greater directional information to the ear allowing the listener to instantly locate where the sound is coming from

Smart BBS models continually adjust to 5-10dB above ambient noise levels

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 1A
	<b>ENVIRONMENT</b> IP68K
	<b>TEMP</b> -40°C to 85°C
	<b>DIMENSIONS</b> 127 x 76 x 65mm

**BRIGADE**



## Back Up Alarm

BAC-A-LARM

Ideal for use on tip trucks, garbage trucks & small buses, tough moulded plastic construction

Can be used on both positive & negative earthed systems

Note: These units are polarity conscious & if connected incorrectly the alarm will not sound

**PRECO**

Part No.	Decibels	Volts	Dimensions
<b>ACX5000</b>	77-102dB	12/24V	102 x 67 x 41mm
<b>ACX5001</b>	87dB	12/24V	102 x 67 x 41mm
<b>ACX5002</b>	97dB	12/24V	102 x 67 x 41mm
<b>ACX5003</b>	97dB	12/48V	102 x 67 x 41mm
<b>ACX5004</b>	102dB	12/24V	102 x 67 x 41mm
<b>ACX5005</b>	102dB	12/24V	102 x 67 x 41mm





## ACX5008

### Back Up Alarm

BAC-A-LARM

Automatically adjusts to 5dB above surrounding noise level

	<b>VOLTAGE</b> 12 or 24V
	<b>AMPS</b> 0.5A
	<b>DECIBELS</b> 87-112dB
	<b>TEMP</b> -40°C to 85°C
	<b>DIMENSIONS</b> 127 x 97 x 88mm



## Back Up Alarm

BAC-A-LARM

Ideal for use on mining equipment, bulldozers, garbage trucks & buses

Tough moulded plastic construction

The perfect alarm around airports, mines & quarries

Temperature: -40°C - 85°C

Part No.	Decibels	Volts	Amps	Dimensions
<b>ACX5009</b>	112-107-97dB	12-36V	0.5A	183 x 97 x 81mm
<b>ACX5010</b>	97-112dB	12-24V	0.5A	172 x 79 x 95mm



## TDR15200

### Blind Spot Warning Kit

Plug & play warning kit with LED and audible alerts

Includes 2x rear bumper digital sensors and wiring harness

Easy installation with four wire harness and hole saw included

LED indicators

3M tape included to secure components

Optional audible alarm when indicating

Paintable sensors

	<b>VOLTAGE</b> 12V
--	-----------------------



## 10-99044

### Reversing Sensor Kit

Audible reversing sensor kit with 4 sensors

	<b>VOLTAGE</b> 12V
--	-----------------------



## ACX5936

### Reversing Sensor Kit

Complete 4 sensor rear system with heavy

Duty rubber surface mounts

Learning capability to ignore vehicle, mounted objects

Auto-mute function for use when towing

Advanced audio/visual display unit included

All external components are IP68 rated

Self-diagnostic check on startup

Detection range up to 2.5m

	<b>VOLTAGE</b> 12/24V
--	--------------------------





## CAM325

### Dash Camera

Vehicle accident recorder  
Suction cap pedestal mount  
10m visibility



Uniden®

## K5000B

### Camera Kit Night Vision 5" LCD

The 5" LCD high-resolution colour monitor included with this system provides the optimal viewing area for mobile CCTV applications

Excellent picture quality is assured even in low-light conditions using a CMOS colour infrared camera

The flat, widescreen monitor allows unobtrusive mounting with a large, easily viewable screen area

Expandable up to 3 cameras



ECCO®

## ACX5905

### Camera Kit Night Vision 7" LCD

CMOS 18 LED infrared camera

Includes monitor sunshade

Two camera expandable

Delivers excellent picture quality even in low-light conditions



ECCO®

## ACX5906

### Camera Kit Rear Vision 5.6" LCD

Touchscreen menu control

CMOS 11 LED infrared camera

Includes monitor sunshade

Three camera expandable

20m cable



ECCO®

## ACX5907

### Camera Kit Rear Vision 7" LCD

Touchscreen menu control

CMOS 11 LED infrared camera

Includes monitor sunshade

Three camera expandable

20m cable



ECCO®

## ACX5910

### Colour Camera Built In Microphone

Rectangle reverse camera

18 LED infrared

IP68 rated

Inbuilt microphone



ECCO®



## C2013B

### Ecco Camera

Camera colour to suit ACX5905  
18 LED infrared night sensor  
Aluminium alloy  
120° Diagonal



## ACX5909

### LCD 7" Monitor suits Rear View

Operating temperature: -10°C - 60°C (integral to camera controller)  
Automatic camera selection when reverse gear selected  
Built in controller for camera selection, volume, contrast, brightness day/night and mirror imaging control



## Camera Cable

Cable to suit ACX5905, ACX5906 and ACX5907

Part No.	Connector	Length
ACX5970	5 Pin	5m
ACX5971	5 Pin	10m
ACX5972	5 Pin	20m



## EC5605-WK

### Wireless Reverse Kit 5.6" Screen

5.6" digital monitor  
2.4 GHz digital wireless system  
Touchscreen menu control  
CMOS 11 LED infrared camera  
Includes monitor sunshade  
Four camera expandable



## ACX5921

### Reverse Camera Kit 5.6" Screen

5.6" digital high resolution LCD monitor with built in microphone & 20m cable  
100% waterproof camera (IP68 tested) vandal resistant & waterproof housing, IR night vision capable  
High dynamic range imager  
Sony Super HAD CCD image sensor  
Adjustable sunshield included  
Compatible camera options ACX5924, ACX5934



## ACX5922

### Reverse Camera Kit 7" Screen

7" digital high resolution LCD monitor with built in microphone & 20m cable  
100% waterproof camera (IP68 tested) vandal resistant & waterproof housing, IR night vision capable  
High dynamic range imager  
Sony Super HAD CCD image sensor  
Adjustable sunshield included  
Compatible camera options ACX5924, ACX5934



## ACX5929

### 4" Monitor with Park Guide

High resolution 4" LCD screen with built in speaker  
2x A/V inputs  
Automatic reverse activation  
Full contrast/brightness/colour adjustment  
Various mounting options

 **VOLTAGE**  
12 to 24V

**OEX**

## ACX5935

### 4" Rear View Mirror Screen

High resolution 4" LCD screen  
2x A/V inputs  
Automatic reverse activation  
Full contrast/brightness/colour adjustment  
OEM finish quality & mounting system  
Optional adjustable on screen guidelines  
Comes with 5m cable kit

 **VOLTAGE**  
12 to 24V

**OEX**

## ACX5924

### 12/24V Colour Camera Built-In Mic

100% waterproof (IP68 tested)  
Built in microphone  
Sony Super HAD CCD image sensor,  
IR night illumination  
All metal heavy duty housing  
Stainless steel mounting hardware  
Adjustable sunshield included  
Screwlock waterproof connectors

 **VOLTAGE**  
12/24V

 **ENVIRONMENT**  
IP68K

**OEX**

## ACX5934

### Camera Number Plate Mount

100% waterproof (IP68 tested)  
Built in microphone  
Behind licence plate & surface mount options  
Very good low light capability  
Extremely compact design  
Multiple, adjustable mounting systems  
High resolution digital imager, 160° high quality lens  
Fits any vehicle

 **VOLTAGE**  
12V

 **ENVIRONMENT**  
IP68K

**OEX**

## Extension Cable

Part No.	Connector	Length
<b>ACX5938</b>	4 pin	10m
<b>ACX5940</b>	4 pin	20m

**OEX**

## ACX5930

### Wireless Camera System

5.6" digital high resolution LCD monitor  
100% waterproof camera (IP68 tested)  
Wireless range over 200m  
Zero static guarantee, camera with inbuilt microphone  
Sony Super HAD CCD image sensor  
IR night vision capable, vandal resistant & waterproof housing  
Adjustable sunshield included

 **VOLTAGE**  
12/24V

**OEX**



# INDUSTRY LEADERS IN 12/24V SOLUTIONS

4x4 - MACHINERY - MINING - TRUCKING - COMMERCIAL - TRADE

**axis**  
JAPAN

**Uniden®**



**audioXtra**  
audioXtra.com.au

Spanning Over  
**39**  
Years

## LED Pilot Lights

2x blade terminals

Mounting opening: 14.2mm

Part No.	Voltage	Colour	Dimensions (Length x Diameter)
ACX2426BL	12V	Amber	40 x 16mm
ACX2427BL	12V	Green	40 x 16mm
ACX2428BL	12V	Red	40 x 16mm
ACX2429BL	12V	Blue	40 x 16mm
ACX2430BL	24V	Amber	40 x 16mm
ACX2431BL	24V	Green	40 x 16mm
ACX2432BL	24V	Red	40 x 16mm
ACX2433BL	24V	Blue	40 x 16mm

OEX



PILOT LIGHTS

## LED Pilot Lights

Fully encapsulated and sealed

Compact design

IP67 rated

Highly resistant to vibration, dust and moisture

2x blade terminals

Mounting stem: 16mm metric thread - 25.2mm long

16mm diameter and fits panel thickness up to 16mm

Part No.	Voltage	Colour	Dimensions (Length x Diameter)
ACX2480BL	12/24V	Amber	46mm x 22mm
ACX2481BL	12/24V	Green	46mm x 22mm
ACX2482BL	12/24V	Red	46mm x 22mm
ACX2484BL	12/24V	Blue	46mm x 22mm
ACX2483BL	12/24V	Clear/Red/Green	46mm x 22mm

Note: ACX2483BL 4x 2.8mm blade terminals

OEX



## LED Pilot Lights - Flashing

Fully encapsulated and sealed

Compact design

IP67 rated

Highly resistant to vibration, dust and moisture

2x blade terminals

Mounting stem: 16mm metric thread - 25.2mm long

16mm diameter and fits panel thickness up to 16mm

Part No.	Voltage	Colour	Dimensions (Length x Diameter)
ACX2486BL	12/24V	Amber	46mm x 22mm
ACX2487BL	12/24V	Green	46mm x 22mm
ACX2485BL	12/24V	Red	46mm x 22mm

OEX







## LED Pilot Lights

Shock-resistant one-piece construction for long service life

Polycarbonate lens and screws with screw retainer and inbuilt finger protection

Screw on terminals

Highly resistant to vibration - dust and moisture

Panel thickness up to 38mm

22mm diameter opening



Part No.	Voltage	Colour		Dimensions (Length x Diameter)
<b>2718</b>	12V	Amber		51.5 x 30mm
<b>2717</b>	12V	Green		51.5 x 30mm
<b>2716</b>	12V	Red		51.5 x 30mm
<b>2720</b>	12V	Blue		51.5 x 30mm
<b>2719</b>	12V	Clear		51.5 x 30mm



## LED Pilot Lights

Shock-resistant one-piece construction for long service life

Polycarbonate lens and screws with screw retainer and inbuilt finger protection

Screw on terminals

Highly resistant to vibration - dust and moisture

Panel thickness up to 38mm

22mm diameter opening



Part No.	Voltage	Colour		Dimensions (Length x Diameter)
<b>2718-24V</b>	24V	Amber		51.5 x 30mm
<b>2717-24V</b>	24V	Green		51.5 x 30mm
<b>2716-24V</b>	24V	Red		51.5 x 30mm
<b>2720-24V</b>	24V	Blue		51.5 x 30mm
<b>2719-24V</b>	24V	Clear		51.5 x 30mm



## LED Warning Light with Buzzer

Typically used as an alarm or indicator in automotive applications

When DC voltage is applied, the LED and buzzer pulse for maximum impact

16mm mounting hole



Part No.	Voltage	Colour		Dimensions (Length x Diameter)	Decibels
<b>HMAC001-12</b>	12V	Red		41 x 18mm	80
<b>HMAC001-24</b>	24V	Red		41 x 18mm	80

## ACX5020

### Central Locking Actuator

Five wire actuators for master door are constructed from high impact nylon for durability

For slave door actuator use green & blue wires only

 **VOLTAGE**  
12V

**OEX**

## ACX5021

### Central Locking Kit

Universal kit converts standard locks to key operated central locking

Includes 4 actuators, wiring harness, control unit & hardware

Actuators are constructed from high impact nylon for durability

 **VOLTAGE**  
12V

**OEX**

## ACX5023

### Keyless Entry Controller Kit

Universal keyless entry controller

Universal kit converts standard central locking to keyless entry

Includes 2 remotes, wiring harness & control unit

Random encrypted 64 bit coding used for transmission

Indicators flash to confirm lock/unlock

 **VOLTAGE**  
12V

**OEX**

## ACX5022

### Remote Central Locking Kit

Universal keyless entry controller

Universal kit converts standard central locking to keyless entry

Includes 2 remotes, 4 actuators, wiring harness & control unit

Random encrypted 64 bit coding used for transmission

Indicators flash to confirm lock/unlock

 **VOLTAGE**  
12V

**OEX**

## SIR-003

### Alarm Siren

90 - 115dB

 **VOLTAGE**  
12V

**OEX**

## ACX5036

### Remote Alarm/Immobiliser

2 independent circuits of immobilisation, auto arming, hot wire warning, indicators flash to confirm arm/disarm, doors, bonnet & boot protection

All black wires are indistinguishable from the others for maximum security, reverse polarity protected

30A relays allowing immobilisation of 2 circuits, central locking output, code hopping random encryption, LED flashes when engine is immobilised, mini battery backup alarm

Replacement remote Part No. REM-111

 **VOLTAGE**  
12V

 **AMPS**  
30A

**OEX**

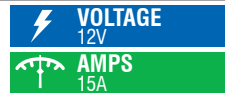
**OEX****ACX5033**

## Remote Immobiliser Kit

Remote immobiliser with 2 independent circuits of immobilisation  
Auto arming, pin override, anti hot wire, all black wires are indistinguishable from the others for maximum security

Reverse polarity protected, 15A relays allowing immobilisation of 2 circuits, central locking output, code hopping random encryption

LED flashes when engine is immobilised  
Replacement remote Part No. REM-111

**OEX****ACX5030**

## Touch Key Immobiliser Kit

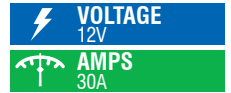
Touch key immobiliser with 2 independent circuits of immobilisation  
Auto arming, pin override & anti hot wire

All black wires are indistinguishable from the others for maximum security

30A relays allowing immobilisation of 2 circuits

Learn mode system

Replacement remote Part No. ACX5072

**OEX****ACX5032**

## Transponder Immobiliser Kit

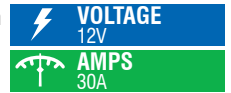
Transponder immobiliser with 2 independent circuits of immobilisation  
Auto arming, pin override & anti hot wire

All black wires are indistinguishable from the others for maximum security

30A relays allowing immobilisation of 2 circuits

Two individually coded transponder tags

Replacement remote Part No. ACX5073

**axis****AX1800BT**

## Radio with USB &amp; Bluetooth

Detachable face

Short chassis (86mm)

AM/FM receiver

Inputs: Bluetooth, USB, SD-MMC, AUX (3.5mm)

Outputs: 4x 25W, 2Ch RCA

4 EQ presets

Includes microphone for handsfree phone calls

**axis****AX1803BT**

## Radio CD/MP3/Bluetooth

Detachable face

Standard DIN chassis

AM/FM receiver

Inputs: CD, Bluetooth, USB, SD-MMC, AUX (3.5mm)

Outputs: 4x 25W, 2Ch RCA

4 EQ presets

Includes microphone for handsfree phone calls

**axis****AX1300BT**

## Radio with Built-In Speakers

Built-in speakers (selectable on/off)

Fixed face

Short chassis (120mm)

AM/FM receiver

Inputs: Bluetooth hands free & audio, USB, SD-MMC, AUX (3.5mm)

Front outputs: 4x 25W, 2 channel RCA, 4 EQ presets



## Radio Tuners

VDO

ALARMS, AUDIO & UHF

Part No.	Description	Volts
101.270	Radio/USB/AUX	12V
101.271	Radio/USB/AUX	24V
101.264	Radio/USB MP3/WMA/Bluetooth	12V
101.266	Radio/CD/USB/MP3/WMA/DAB/Bluetooth	12V
101.265	Radio/USB/MP3/WMA/Bluetooth	24V
101.267	Radio/CD/USB/MP3/WMA/DAB/Bluetooth	24V



## ACX2025

### Noise Suppressor

10 per card  
Reduces electrical noise from charging  
Circuit to help reduce radio interference

OEX





## TDR04019

### UHF Radio with Antenna

80 Channels  
Digital selective calling  
Compact chassis  
Channel scan capability  
Quick release cradle  
Flip mountable for easy installation

Backlit LCD screen and keypad  
External speaker jack  
75cm 5dB antenna with 35mm black stainless steel barrel spring

 **VOLTAGE**  
12V

 **WATTS**  
5W

THUNDER  
*Connection is your best friend*




## UH5060VP

### Compact UHF with Antenna

Elevated feed and fibreglass whip with black heat shrink  
6.6 dBi gain  
Highly flexible whip  
Parallel style stainless steel spring  
Ground independent  
4.5m low loss coax cable  
Terminated FME female Connector and PL259 adaptor

 **VOLTAGE**  
12 or 24V

 **WATTS**  
5W

Uniden®



## UH5000

### Mini Compact UHF

Compact design: 26mm (H) x 100mm (W) x 90mm (D)  
80 narrowband channels  
External speaker jack  
5W maximum RF output power  
LCD display & battery level indicator  
Channel scan  
Auto squelch

 **VOLTAGE**  
12V

 **WATTS**  
5W

Uniden®

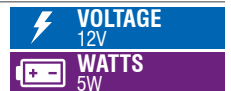


Uniden®

**UH5060**

## UHF Radio 80 Channel Display Mic

80 UHF narrowband channel  
 Compact size: 24mm (H) x 100mm (W) x 95mm (D)  
 Remote speaker microphone with built-in large LCD display  
 Dual speaker with synchronised volume



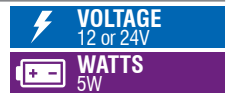
Uniden®

**UH9000**

## Compact UHF with Scanner

80 UHF narrowband channels  
 Mini compact design  
 UHF & scanner in one  
 Police and fire frequencies  
 100 extra receive only channels  
 Heavy duty speaker microphone

Large LCD display & flip LCD feature  
 7 colour LCD with backlit options  
 Interference eliminator (CTCSS)  
 Digital coded squelch (DCS)  
 Rotary CH/VOL select knob  
 Busy channel lock-out function  
 Voice scramble function



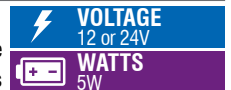
Uniden®

**UH9080**

## UHF Radio 80 Channel

80 UHF narrowband channels  
 Mini compact size  
 5W maximum TX output power  
 Police and fire frequencies  
 Built-in AVS circuitry  
 Voice scramble function  
 10 different call tones  
 100 extra receive only channels

Instant replay function  
 Remote LCD speaker microphone  
 LCD display with 7 backlit colours  
 Group scan and priority channel watch  
 Open scan  
 Duplex capability  
 Selcall feature

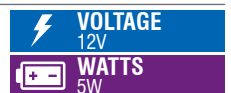


oricom

**UHF028**

## UHF Radio 80 Channel Compact

High quality 80 channel compact UHF radio  
 Heavy duty microphone  
 3.5mm external speaker jack

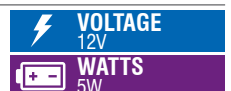


oricom

**UHF390**

## UHF Radio 80 Channel with Controller Mic

High quality 80 channel compact UHF Radio  
 Heavy duty microphone  
 3.5mm external speaker jack

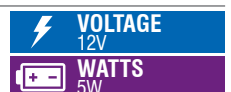


Uniden®

**UH850S**

## UHF Handheld Water Proof

80 UHF channels  
 UHF CB commercial grade handheld radio  
 5W maximum TX output power  
 Waterproof  
 Long life 2220mAh lithium-ion battery  
 Backlit large LCD display  
 Battery level indicator





**MM1**

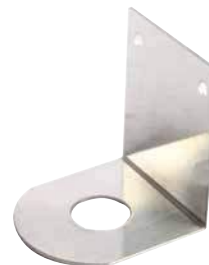
## Antenna Mount Mirror Bracket

Mirror mount/roof bar bracket

**axis****BB1SS**

## Antenna Mount Low Profile L Bracket

Stainless steel

**axis****BB4SS**

## Antenna Mount Boot/Bonnet Z Bracket

Stainless steel

**axis****Stainless Steel Bull Bar Bracket**

Part No.	Description
<b>BB45W</b>	Antenna Mount 45mm
<b>BB50W</b>	Antenna Mount 50mm

**axis****BB2H**

## Antenna Mount Bull Bar Screw Type

Screw clamp bull bar/nudge bar bracket

**axis****BNC1**

## BNC Crimp Plug

UHF antenna connector plug  
Suits RG58AU cable**axis**

**axis****FM1**

AM/FM Antenna

94mm fibreglass mast  
Includes base & lead assembly

**axis****AK3**

UHF Antenna 3dB

33cm high  
477MHz frequency  
4.5m coaxial cable assembly

**axis****AW4**

UHF Antenna 4.5dB

64cm high  
7mm fibreglass whip

**axis****AK5**

UHF Antenna 5dB

Antenna kit with spring  
Fibreglass stainless steel spring  
73cm high  
5.3m lead

**axis****AK5RD**

UHF Antenna 5dB

75cm high  
Black 35mm  
Stainless steel barrel spring  
5.3m coaxial cable assembly  
Removable mast

**axis****AK7**

UHF Antenna 6.5dB

93.5m high  
Black barrel  
Stainless steel spring  
4.5m coaxial cable assembly

## AT880TWIN

UHF Antenna 6.6/3dB

93.2/44.2cm high

Interchangeable masts

4.5m base & lead assembly

Uniden®



## ANU200

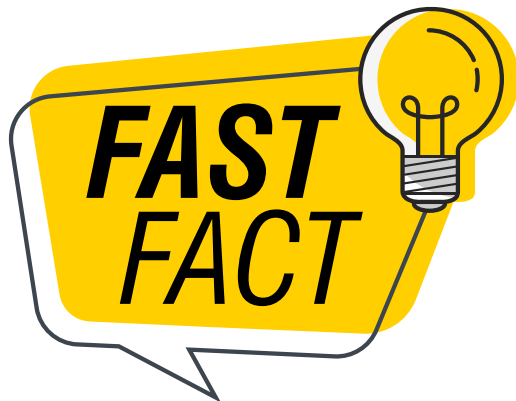
UHF Antenna 6.5dB

83cm high

Stainless steel spring

4.3m coaxial cable assembly

oricom

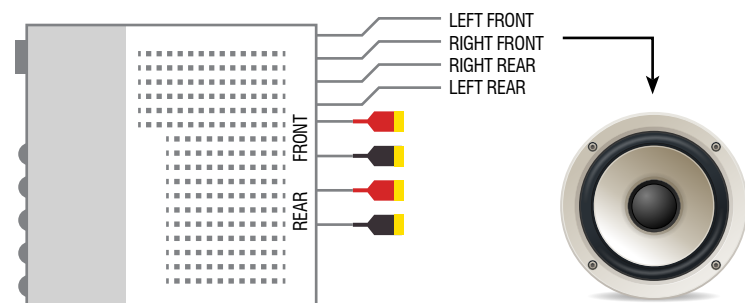


## Question

What is impedance in reference to automotive audio?

## Answer

Impedance is the total opposition to the flow of alternating current in an electrical circuit at a given frequency and is measured in ohms. Although most car audio manufacturers label the impedance of most car speakers and subs at 4 ohms, the impedance of a speaker is actually not a constant. The speakers true impedance changes with frequency and can vary greatly. Cable quality and length can also have an effect as poor quality cable cause excessive resistance or impedance.



LOAD IMPEDANCE	POWER OUTPUT
16 ohms	12 Watts
8 ohms	24 Watts
4 ohms	48 Watts
2 ohms	96 Watts
0 ohms	192 Watts

# TAKE CHARGE ON YOUR *WEEKEND* ESCAPE

A dual battery set up is a must have for anyone getting off the beaten track and it can't be done without a DC-DC charger. Whether you've just got a couple of work lights and a fridge to run, or you're keeping the whole family sane with a few extra luxuries, Thunder DC-DC Chargers will keep you on the go.



## THUNDER

*Connection to your Weekend Escapes*

#thunderauto



thunderauto.com.au






## TDR02100

### Drawer Fridge 23L

Sturdy metal housing with injection moulded parts, metal slide system with metal latches, convenient access to cool snacks and drinks with easy-pull drawers running, supplied with 5 heavy duty dividers to prevent cans and food from moving, securely fastens with mounting tray and threaded mounting points.

Thunder fridge app controls multiple fridges from one device, turn on and off remotely, monitor and control temperature from your smart device, alerts when there is an error with the fridge, draw depth 540mm, complete unit including compressor 700mm.

\*Average draw over 24 hours (12V, 5°C, 32°C ambient temp). Power usage dependent on ambient temperature, fridge temperature settings, temperature of fridge contents, product load.

	<b>VOLTAGE</b> 12/24V DC
	<b>CURRENT DRAW</b> 0.8A average* 6A @ 12V 52.5A @ 24V
	<b>DIMENSIONS</b> 325 x 485 x 700mm



**THUNDER**  
Connection to your Weekend Escape

## TDR02101




### Fridge/Freezer 60L

Sturdy metal housing with injection moulded parts, removable baskets - hygienic and easy to clean, easy to read LED display screen, powered by 12V DC compressor, low voltage battery protection.

Unique quick release reversible lid provides unparalleled access to food and drink.

Thunder fridge app controls multiple fridges from one device, turn on and off remotely, monitor and control temperature from your smart device, alerts when there is an error with the fridge.

\*Average draw over 24 hours (12V, 5°C, 32°C ambient temp). Power usage dependent on ambient temperature, fridge temperature settings, temperature of fridge contents, product load.

	<b>VOLTAGE</b> 12/240V AC
	<b>CURRENT DRAW</b> 1.1A average* 6A @ 12V 3.3A @ 24V
	<b>DIMENSIONS</b> 445 x 800 x 700mm



**THUNDER**  
Connection to your Weekend Escape

## TDR02101C

### Insulated Fridge Cover

Made from heavy duty polyester with metal zippers  
Insulation cools the fridge down faster and improves power efficiency  
Velcro strips allow for convenient opening of lid  
Protects your fridge from scratches and the harsh Australian environment  
Allow modular fitment.



**THUNDER**  
Connection to your Weekend Escape

## TDR04015

### Fridge Tie Down Straps

2x tie down straps @ 1m x 25mm  
250kg lashing capacity  
500kg breaking strain



**THUNDER**  
Connection to your Weekend Escape



**THUNDER**  
Connection is your Weekend Escape



## TDR02030

### Portable Espresso Machine

Pump pressure 13 bar (unloading)  
Extraction time 25-30 seconds  
USB rechargeable - charging time 3 hours  
Can produce up to 50 cups from fully charged  
Creates a true espresso - coffee only, no milk, milk frother not included  
Grounds adaptor (TDR02031) also available if you prefer ground coffee  
Nespresso pod compatible

**THUNDER**  
Connection is your Weekend Escape



## TDR02031

### Espresso Machine Grounds Adaptor

Weight: 100g  
Use your favourite ground coffee beans  
Includes coffee grounds filter and scoop

**THUNDER**  
Connection is your Weekend Escape



## TDR17011

### Thunder Action Sports Camera

170° HD wide-angle lens, Wi-Fi enabled - Android & iOS  
Slot for micro SD card up to 32GB (card not included)  
Battery life: 70 minutes, detachable 900mAh battery (included)  
12 month warranty  
1920 x 1080P 30fps video resolution, H.264 video compression format, MOV video file format, 12 mega pixel CMOS-Image sensor, 4032 x 3024 image resolution, JPG image file format  
Can be used for car dash camera

**DIMENSIONS**  
30 x 60 x 40mm

**THUNDER**  
Connection is your Weekend Escape



## TDR04018

### Wireless Portable Speaker

Output 4.5W x 2 aluminium passive radiator speakers (one at each end) with voice assistant for easy guidance  
Battery built-in 2,200mAh  
True wireless music system, hands free mobile communication & built in FM radio  
Power amplifier with DSP (digital signal processing)  
IPX6 rating: water resistant, shock resistant  
Micro SD card reader capacity of 32GB (card not included)

**DIMENSIONS**  
186 x 69mm

**THUNDER**  
Connection is your Weekend Escape



## TDR06014

### Deep Dish Front Floor Mats

Designed to help protect your upholstery by trapping mud, sand and dirt in the grooves and can be easily removed and cleaned  
They can be cut to suit most vehicles with trim lines for easy fitting  
Both front and rear mats are made from hard wearing and durable rubber with non-slip backing to stop them from sliding around

**THUNDER**  
Connection is your Weekend Escape



## TDR06015

### Deep Dish Rear Floor Mats

Designed to help protect your upholstery by trapping mud, sand and dirt in the grooves and can be easily removed and cleaned  
They can be cut to suit most vehicles with trim lines for easy fitting  
Both front and rear mats are made from hard wearing and durable rubber with non-slip backing to stop them from sliding around

## TDR17300

### 35L Dry Bag

Weight: 0.5kg

Material reinforced PVC, tough welded seams, folding lock system, multi-purpose storage applications, heavy duty and durable material for extreme conditions

Perfect for outdoor activities

**DIMENSIONS**  
660 x 250mm



**THUNDER**  
Connection to your Weekend Escape

## TDR17200

### Air Compressor with Tank

Unloading air flow - 150L per minute (5.29 CFM)

Max working time: 30 minutes at 40psi, normal working current: 35A, max working current: 45A, 12V 150L per minute 6L tank, 8m air line with 3/8" fittings allowing you to use your standard air hose if required

Air inflator/deflator with a digital gauge, overheat protection at 105°C (in motor), integrated circuit breaker

Maximum tank pressure: 150psi, pressure switch operating range: cut out: 8kg (113psi) cut in 6kg (85psi)

**VOLTAGE**  
12V



**THUNDER**  
Connection to your Weekend Escape

## TDR17201

### Hose Kit for Air Compressor

1x 60mm (diameter) LCD digital gauge and inflator

Range: 0-200psi (+/- 1psi)

Interchangeable with other brands that have same connectors

25cm black rubber air hose with brass screw on valve adaptor

Male quick release connector on inflator (connects to PU hose)

8m blue PU coiled hose with female quick connector



**THUNDER**  
Connection to your Weekend Escape

## TDR06200

### Flush Mount Air Fitting Kit

Flush mount

Zinc alloy 3/8" air fitting, used for neatly mounting air line coupler

Operating range: 0-0.9MPa

Rated capacity: 1.32MPa



**THUNDER**  
Connection to your Weekend Escape

## TDR04016

### Exhaust Jack

Exhaust operated recovery air bag

Safe working load: 3,000kg

Maximum height: 78cm

Core nylon with PVC coating



**THUNDER**  
Connection to your Weekend Escape

## TDR04013

### Digital Tyre Deflator

Sturdy brass valve connector

Strong braided steel covered hose

Easy to read digital gauge

Backlight for night use

Battery operated

Protective rubber guard

Storage pouch included



**THUNDER**  
Connection to your Weekend Escape

**OEX****ACX9000**

## Black Magic Anti-Rust Module

Compact size: 77mm x 52mm x 23mm  
 Protects both the inside and outside surfaces of your vehicle  
 Draws only 14mA  
 Stops or slows any existing corrosion  
 Does not interfere with vehicle electronics  
 1 Pack

	<b>VOLTAGE</b> 12/24V
	<b>DIMENSIONS</b> 77 x 52 x 23mm

**SEAFLO****SFDP1-010-040-21**

## Water Pump 3.8L/Min

A 12V water pump with low current draw making it perfect for the sink in a small camper trailer or caravan. Diaphragm pumps are self-priming and can be run dry without harm

It provides up to 3.8L per minute. This compact, automatic demand water system pump has a built-in pressure switch, which automatically starts and stops the pump when faucet is opened and closed

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 4A
	<b>DIMENSIONS</b> 190 x 110 x 70mm

**SEAFLO****SFDP1-030-045-33**

## Water Pump 11.6L/Min

A 12V water pump with low current draw making it perfect for the sink in a camper trailer or caravan. It provides reliable performance in high water flow and moderate pressure applications

3-chamber diaphragm pump provides up to 11.6L per minute and is capable of self-priming up to 1.8 vertical metres, and can run dry without damage. Serves 3 or more 1/2" (13 mm) outlets

This automatic demand water system pump has a built-in pressure switch, which automatically starts and stops when the faucet is opened and closed

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 8A
	<b>DIMENSIONS</b> 270 x 150 x 140mm

**SEAFLO****SFWP1-050-070-51**

## Wash Down Kit 18.9L/Min

A powerful 12V wash down kit with a 70psi pump. Includes fittings, hose and nozzle. Perfect for the back of your 4WD, boat or tradie's ute

This pump boasts a huge 18.9 L/min capacity with an on-demand switch, so the pump automatically turns on when you squeeze the spray gun handle

Possessing a 70psi cut-off, it enables enough pressure to get rid of stubborn debris. Suitable for fresh and saltwater applications

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 9A
	<b>DIMENSIONS</b> 390 x 130 x 430mm

**SEAFLO****SFWP1-045-070-41**

## Portable Washdown Kit

The portable washdown system is designed for most outdoor wash down applications

The high performance and easy installation makes it easier to use, simply connect to 12V power and drop the inlet into water  
 The design makes it unnecessary to carry a tank when you use it.

	<b>VOLTAGE</b> 12V
--	-----------------------





## VDO Original Parts

As a leading automotive supplier for electronic and mechatronic, VDO provides a broad range of products in OE-quality. With our many years of experience and our trendsetting product portfolio, we are a reliable partner for custom-fitted solutions.

[www.vdo.net.au](http://www.vdo.net.au)



Radios



Sensors



Single Gauges

# VDO





## Ammeters

Internal shunt, use 6mm cable

Part No.	Range	Size	Voltage	Series
<b>190077006</b>	30-0-30A	52mm	12V	Cockpit Vision
<b>190037002</b>	60-0-60A	52mm	12V	Cockpit International
<b>190077007</b>	60-0-60A	52mm	12V	Cockpit Vision
<b>A2C3833080030</b>	60-0-60A	52mm	12/24V	SingleViu

Connection to your Headrest Escape

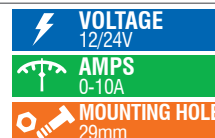


Display blue LED

## TDR06105

Ammeter

Can be used to monitor your accessory current draw  
Socket mount, dash or panel




## Boost Gauge - Mechanical

Supplied with nut & cone to suit 3/16" PVC tubing  
12V illumination included  
Use airline kit Part No. 230.012 or Part No. 230.013

Part No.	Range	Size	Series
<b>150077004</b>	-30Hg - 25psi	52mm	Cockpit Vision
<b>150077010</b>	0-15psi	52mm	Cockpit Vision
<b>150077011</b>	0-30psi	52mm	Cockpit Vision



## Clock - Analogue

Part No.	Voltage	Size	Series
<b>370.001</b>	12/24V	52mm	Cockpit Vision



## Fuel Gauges

Suitable for use with most petrol, diesel and LPG systems  
3 pin plug kit Part No. 240.030 recommended, not included

Part No.	Sender Type	Range	Mounting Hole	Voltage	Series
<b>301.105</b>	Float arm	240 - 33 Ohms	52mm	12V	Cockpit Vision
<b>301010009</b>	Tubular	110 - 2 Ohms	52mm	12V	Cockpit Vision
<b>301010010</b>	Float arm	5 - 90 Ohms	52mm	12V	Cockpit Vision
<b>301010011</b>	Float arm	3 - 180 Ohms	52mm	12V	Cockpit Vision
<b>301010015</b>	Float arm	73 - 10 Ohms	50mm	12V	Cockpit Vision
<b>301030001</b>	Float arm	3 - 180 Ohms	52mm	12V	Cockpit International
<b>301030002</b>	Tubular	Adjustable	52mm	12V	Cockpit International
<b>301040002</b>	Tubular	Adjustable	52mm	24V	Cockpit International
<b>301040001</b>	Float arm	3 - 180 Ohms	52mm	24V	Cockpit International



VDO

GAUGES

## Hourmeter

Part No.	Image Ref	Range	Illumination	Size	Voltage
<b>331.534</b>	A	0 - 99999.9hrs	No	37 x 25mm	10 - 80V
<b>331.535</b>	B	0 - 99999.9hrs	No	53 x 32mm	10 - 277V
<b>331032004</b>	C	0 - 99999.9hrs	No	52mm	12V
<b>331032001</b>	D	0 - 99999.9hrs	No	52mm	12V
<b>331810012004</b>	D	0 - 99999.9hrs	Yes	52mm	12V
<b>331810012007</b>	D	0 - 99999.9hrs	Yes	52mm	24V
<b>331.600</b>	E	0 - 99999.9hrs	No	52mm	10 - 80V
<b>331.602</b>	F	0 - 99999.9hrs	No	52mm	10 - 80V
<b>331.601</b>	G	0 - 99999.9hrs	No	52/71mm flange	10 - 80V



A



B



C



D



E



F



G

VDO

## Oil Pressure Gauge - Electric

VDO

Suitable for most vehicles

3 pin plug kit Part No. 240.030 recommended (not included)

Part No.	Range	Size	Voltage	Series
<b>350010016</b>	0 - 500kPa	52mm	12V	Cockpit Vision
<b>350030016</b>	0 - 500kPa	52mm	12V	Cockpit International
<b>350040016</b>	0 - 500kPa	52mm	24V	Cockpit International
<b>350010021</b>	0 - 100psi	52mm	12V	Cockpit Vision
<b>350010017</b>	0 - 1000kPa	52mm	12V	Cockpit Vision
<b>350030017</b>	0 - 1000kPa	52mm	12V	Cockpit International
<b>350040017</b>	0 - 1000kPa	52mm	24V	Cockpit International
<b>A2C3833170030</b>	0 - 10bar	52mm	12/24V	SingleViu
<b>350030005</b>	0 - 25bar	52mm	12V	Cockpit International



## Oil Pressure Gauge - Mechanical

VDO

Suitable for most vehicles

Supplied with nut and cone to suit 3/16" PVC tubing

Illumination 12V included

Part No.	Range	Size	Series
<b>150077027</b>	0 - 100psi	52mm	Cockpit Vision
<b>150077020</b>	0 - 700kPa	52mm	Cockpit Vision
<b>150035020</b>	0 - 1000kPa	52mm	Cockpit International
<b>150077026</b>	0 - 150psi	52mm	Cockpit Vision
<b>151.910</b>	0 - 150psi	52mm	Cockpit International



## Pyrometer

VDO

Complete kit to suit most exhaust systems - consisting of instrument, thermocouple, 5m loom &amp; weld boss

Through dial illumination

Part No.	Range	Size	Voltage	Series
<b>310.159</b>	0-900°C	52mm	12V	Cockpit Vision
<b>A2C3833050030</b>	0-1000°C	52mm	12/24V	SingleViu



## Speedometer

Illumination through dial and pointer

12V globe included

Field adjustable to suit 500 to 400,000 imp/km by pulse setting or auto-calibration function through LCD readout via reset button

Signal source hall-effect, inductive or blocking oscillator sender units

8 pin plug kit Part No. 340.824 recommended, not included in kit

Part No.	Range	Size	Voltage	Series
<b>437015028</b>	0 - 200km/h	80mm	12/24V	Cockpit Vision
<b>A2C3832940030</b>	0 - 200km/h	80mm	12/24V	SingleViu
<b>437035016</b>	0 - 120km/h	85mm	12/24V	Cockpit International
<b>437015025</b>	0 - 200km/h	85mm	12/24V	Cockpit Vision
<b>437055011</b>	0 - 120km/h	100mm	12/24V	Cockpit International
<b>A2C3832840030</b>	0 - 200km/h	100mm	12/24V	SingleViu
<b>437015029</b>	0 - 200km/h	100mm	12/24V	Cockpit Vision
<b>437025002</b>	0 - 125km/h	140mm	24V	Cockpit Vision



VDO

GAUGES

## Tachometer

Suitable for most petrol and diesel engines

Field programmable to suit 4, 6 or 8 cylinder, 4 stroke ignition and alternator pick-up (terminal "W")

Single phase, not suitable for star point or magneto system

Illumination included, 8 pin plug kit Part No. 340.824 recommended, not included in kit

Part No.	Range	Size	Voltage	Series
<b>333015037</b>	0 - 4000rpm	52mm	12V	Cockpit Vision
<b>333015031</b>	0 - 8000rpm	82mm	12V	Cockpit Vision
<b>333015038</b>	0 - 4000rpm	80mm	12V	Cockpit Vision
<b>333045002</b>	0 - 4000rpm	80mm	24V	Cockpit International
<b>A2C3833000030</b>	0 - 5000rpm	80mm	12/24V	SingleViu
<b>333015032</b>	0 - 7000rpm	80mm	12V	Cockpit Vision
<b>333015033</b>	0 - 7000rpm	85mm	12V	Cockpit Vision
<b>A2C3832790030</b>	0 - 5000rpm	100mm	12/24V	SingleViu



VDO

VDO



## Tachourmeter

Suitable for most petrol and diesel engines. Adjustable through LCD and reset button. Field programmable to 1, 2, 3, 4, 5, 6, 8 or 12 cyl/4-stroke, 1, 2, 3 or 4 cylinder, 2 stroke ignition and alternator pick-up ("W" terminal)

Also suitable for signal from generator or inductive sender unit but not suitable for magneto ignition system. Incorporated hourmeter shows true engine hours. Operating hours 99,999.9. Pulse range 0.5-200 pulses per rev

12V Illumination included, 8 pin plug kit Part No. 340.824 recommended. Not included in kit

Part No.	Range	Size	Voltage	Series
<b>333035010</b>	0 - 3000rpm	80mm	12/24V	Cockpit International
<b>333035011G</b>	0 - 4000rpm	80mm	12/24V	Cockpit International
<b>333035025</b>	0 - 3000rpm	85mm	12/24V	Cockpit International
<b>333035013</b>	0 - 4000rpm	85mm	12/24V	Cockpit International
<b>333055002</b>	0 - 3000rpm	100mm	12/24V	Cockpit International

VDO



## Temperature Gauge - Electric

Suitable for most vehicles

Illumination included

Part No.	Gauge Range	Range	Size	Voltage	Series
<b>310010014</b>	40°C - 120°C	287 - 23 Ohms	52mm	12V	Cockpit Vision
<b>310030002</b>	40°C - 120°C	287 - 23 Ohms	52mm	12V	Cockpit International
<b>310020001</b>	40°C - 120°C	287 - 23 Ohms	52mm	24V	Cockpit Vision
<b>310040002</b>	40°C - 120°C	287 - 23 Ohms	52mm	24V	Cockpit International
<b>310010015</b>	50°C - 150°C	323 - 18 Ohms	52mm	12V	Cockpit Vision
<b>310030003</b>	50°C - 150°C	323 - 18 Ohms	52mm	12V	Cockpit International
<b>310040003</b>	50°C - 150°C	323 - 18 Ohms	52mm	24V	Cockpit International
<b>A2C3833380030</b>	50°C - 150°C	N/A	52mm	12/24V	SingleViu
<b>310030004</b>	60°C - 200°C	550 - 14 Ohms	52mm	12V	Cockpit International
<b>310040004</b>	60°C - 200°C	550 - 14 Ohms	52mm	24V	Cockpit International
<b>A2C3833530030</b>	150 - 400°F	N/A	52mm	12/24V	SingleViu



## Temperature Gauge - Mechanical

Suitable for most vehicles  
Illumination included

Part No.	Gauge Range	Capillary Length	Size	Series
180035002	40°C - 120°C	1600mm	52mm	Cockpit International
180077022	40°C - 120°C	1600mm	52mm	Cockpit Vision
180035004	40°C - 120°C	2600mm	52mm	Cockpit International
180077023	40°C - 120°C	2600mm	52mm	Cockpit Vision
180077021	40°C - 120°C	4000mm	52mm	Cockpit Vision
180077020	50°C - 150°C	16000mm	52mm	Cockpit Vision



VDO

GAUGES

## Vacuum Gauge

Suitable for most vehicles  
Supplied with nut and cone to suit 3/16" PVC tubing  
12V illumination included

Part No.	Gauge Range	Size	Series
150077005	-30-0"Hg	52mm	Cockpit Vision



VDO

## Voltmeter

Suitable for all engines and machines  
Monitors charge and battery condition  
Illumination 12 or 24V included

Part No.	Gauge Range	Size	Series
332010004	8 - 16V	52mm	Cockpit Vision
332030001	8 - 16V	52mm	Cockpit International
A2C3832770030	8 - 16V	52mm	SingleViu
332020001	18 - 32V	52mm	Cockpit Vision
332040001	18 - 32V	52mm	Cockpit International
A2C3832780030	16 - 32V	52mm	SingleViu



VDO

## HMG1000C

### GPS Trip Meter

Hummingbird's GPS/GLONASS trip meter provides a highly visible and configurable distance readout, independent of the vehicle. No installation is required.

Two trips are displayed simultaneously as well as current speed and the number of satellites currently being used.

Trip statistics such as average speed, maximum speed and trip time can be viewed via the integrated menu.

**VOLTAGE**  
9 - 36V







## HMSA3000

### GPS Speedometer

An accurate, compact and responsive digital speedometer with over speed alert. No installation or calibration is required.

The unit contains an internal antenna and the only electrical connection required is via a cigarette lighter plug that can be used in 12 or 24V vehicles.

Speed is displayed on a colour screen; the colour changes from green to red as the user-settable speed-threshold is exceeded. A user selectable buzzer can also be enabled to sound as an over-speed warning.

**VOLTAGE**  
9 - 36V



## HMDS1000B

### Inclinometer

Hummingbird's Dual-Axis Inclinometer (Slope Meter) provides highly visible and configurable pitch and roll measurement and display to operators of industrial machinery.

The Inclinometer (Slope Meter) allows customisation of sensor response times to allow maximum flexibility in various applications. Alarms and warnings can be configured from the integrated menu and saved to integrated memory.

One HMDS2F0000B 2-axis high-accuracy RS485 tilt sensor is included, with a 15m cable length

**VOLTAGE**  
9-36V

THE POWER OF  
**REDARC**



## HBA1224

### Hand Brake Alarm

Reduces the risk of the vehicle being accidentally left unattended without the handbrake on

Can be dash mounted in most vehicles

Features a built in LED warning light and Piezo buzzer

Can trigger an external LED, lamp, alarm and horn relay, Australian built, designed and made

2 year warranty

**VOLTAGE**  
12 or 24V

THE POWER OF  
**REDARC**



## KOLO12DU

### Key On Lights On Relay

Compact and easy to install

Universal fitment

Ensures the lights are turned on when the ignition is on

Designed for universal fitment in 12V vehicles with either positive or negative-switched lighting systems

Features a 10 second turn on delay designed to reduce load on engine during cranking

2 year warranty

**VOLTAGE**  
12V

**AMPS**  
30A

THE POWER OF  
**REDARC**



## KOLO12DUO

### Key On Lights On Relay

Ensures the lights are turned on when the ignition is on

Designed for universal fitment in 12 vehicles with either positive or negative-switched lighting systems

Features a 10 second turn on delay designed to reduce load on engine during cranking

2 year warranty

**VOLTAGE**  
12V

**AMPS**  
30A

THE POWER OF  
**REDARC**



## KOLO24DU

### Key On Lights On Relay

Compact and easy to install

Universal fitment

Ensures the lights are turned on when the ignition is on

Designed for universal fitment in 24V vehicles with either positive or negative-switched lighting systems

Features a 10 second turn on delay designed to reduce load on engine during cranking

2 year warranty

**VOLTAGE**  
24V

**AMPS**  
30A



**TDR11017**

## Dual Volt Gauge with Switch

Mount: 60 x 100mm  
 Range: 20A @ 12V  
 No. of poles: 1  
 No. of positions: 2  
 No of terminals: 5  
 Function: Off-On-SPDT

 **VOLTAGE**  
2.5 - 30V



Display blue LED



**THUNDER**  
*Connection to your Weekend Escape*

**TDR06104**

## Voltmeter

Can be used to monitor your trailer breakaway battery  
 Socket mount, dash or panel  
 Range: 5-30V

 **VOLTAGE**  
12/24V

 **MOUNTING HOLE**  
29mm diameter



Display blue LED



**THUNDER**  
*Connection to your Weekend Escape*

**TDR06108**

## Voltmeter with Indicator

Can be used to monitor your trailer breakaway battery,  
 with incremental indicators showing voltage at a glance  
 Socket mount, dash or panel  
 Range: 5-15V

 **VOLTAGE**  
12V

 **MOUNTING HOLE**  
29mm diameter



Display blue LED



**THUNDER**  
*Connection to your Weekend Escape*

**TDR06110**

## Dual Voltmeter

Can be used to monitor two separate batteries such as a  
 breakaway battery or dual battery system  
 Socket mount, dash or panel  
 Range: 5-30V

 **VOLTAGE**  
12/24V

 **MOUNTING HOLE**  
29mm diameter



Display blue LED



**THUNDER**  
*Connection to your Weekend Escape*

**TDR11025**

## Voltmeter with Dual USB

Mount: 21 x 37mm  
 2x 2.1A USB  
 Dash mounted charging port providing 2x 2.1A output to keep  
 power to a host of mobile accessories. 1 position, 2 terminals.

 **VOLTAGE**  
5 - 30V



Display blue LED



**THUNDER**  
*Connection to your Weekend Escape*

**TDR06106**

## Volt/Amp Gauge

Can be used to monitor your trailer breakaway battery  
 and your accessory current draw  
 Mount: 28mm, dash panel  
 Range: 5-30V

 **VOLTAGE**  
12/24V

 **AMPS**  
0 - 10A

 **DIMENSIONS**  
29mm diameter



Display blue LED



**THUNDER**  
*Connection to your Weekend Escape*

VDO

**410.007**

## Low Water Level Alarm Kit

The VDO low water alarm electronic module monitors current continuity while the low water level probe is submerged in water. The location of the probe in the radiator or header tank determines the critical water level.

Warning occurs within a few seconds of this level being reached. The flashing warning light and continuously activated buzzer can only be cancelled by switching off the engine. Replacement probe: Part No. 230.058

 **VOLTAGE**  
12/24V

THE POWER OF  
**REDARC**

**LCA1224**

## Low Coolant Alarm

Can be used in a 12 or 24V automotive system or remote water pumping system to monitor radiator coolant level. Provides a visual & audible alarm if the coolant falls below the chosen level

 **VOLTAGE**  
12/24V


**Mechanical Temperature Switch Gauges**

Combination indicating gauge & contact switch

Adjustable contact switch can be used for tripping alarms and/or shutdown devices

Gauge pointer acts as a temperature indicator & has one switch pole which completes a circuit when it touches the adjustable contact switch

Gauges come with dual scale readings



Part No.	Capillary Length	Temperature Range	Size
<b>091020T1204</b>	4ft/1.2m	130 - 250°F/60 - 120°C	52mm
<b>091020T1206</b>	6ft/1.8m	130 - 250°F/60 - 120°C	52mm
<b>091020T1208</b>	8ft/2.4m	130 - 250°F/60 - 120°C	52mm
<b>091020T1210</b>	10ft/3m	130 - 250°F/60 - 120°C	52mm
<b>091020T1212</b>	12ft/3.65m	130 - 250°F/60 - 120°C	52mm
<b>091020T1216</b>	16ft/4.88m	130 - 250°F/60 - 120°C	52mm


**Mechanical Pressure Switch Gauges**

Combination indicating gauge & contact switch

Adjustable contact switch can be used for tripping alarms and/or shutdown devices.

Gauge pointer acts as a pressure indicator & has one switch pole which completes a circuit when it touches the adjustable contact switch

Gauges come with dual scale readings

Gauges do not come with oil lines or fittings. Use Part No. 09B100302 for connection to rear of gauge & Part No. 230.012 (1.8m) or Part No. 230.013 (5m) oil line fitting kit



Part No.	Pressure Range	Size
<b>090520P100</b>	0 - 100psi/0 - 690kPa	52mm
<b>090520P150</b>	0 - 150psi/0 - 1000kPa	52mm

## Electrical Switch Gauges



Combination indicating gauge & contact switch  
Adjustable contact switch can be used for tripping alarms and/or shutdown devices  
Contact point is adjustable over 90% of the scale & has a set point indicator visible from the gauge face  
LED dial & pointer illumination is provided  
If being used in 24V application use Part No. 09EG05006168 24/12V reducing loom



Part No.	Type	Range	Voltage	Size	Sender
<b>09EGS21T250</b>	Temperature	100 - 250°F/40 - 120°C	12V	52mm	09EST25002 (1/8" - 27NPT)
<b>09EGS21P100</b>	Pressure	0 - 100psi/0 - 700kPa	12V	52mm	09ESP100 (1/8" - 27NPT)

## Liquid Level Switch Gauge



Combination indicating gauge & contact switch  
Adjustable contact switch can be used for tripping alarms and/or shutdown devices  
The level gauge has a chamber with pivotal float, an indicating dial with pointer & a low level contact switch  
The float operates the pointer which in turn both indicates level during normal operation & closes the switch circuit if the level falls to the contact switch point set  
Can be used for engine cooling systems, surge or expansion tanks, condenser radiator, pressurised or atmospheric systems  
Monitors lube oil, hydraulic fluid or diesel fuel reservoirs



Part No.	Type	Voltage
<b>0915EL150K1</b>	Hi/low	12/24V
<b>0915L150</b>	Low only	12/24V

## Shutdown Relay



Shutdown relay is an electrical load carrying device that accepts switch gauge contact operations & translates it into the operation of the alarm or shutdown device  
Opens circuit to run the device & disconnects from power after trip  
Magnetic coil is momentarily energised to trip & manual indicating reset button pops out to notify of shutdown

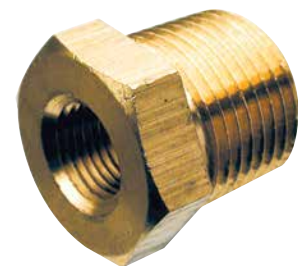


Part No.	Voltage	Amp	Function	Fuse
<b>0925117PH</b>	12/24V	10A @ 24V	N/C	14A
<b>0925518H12</b>	12V	10A @ 12V	N/C & N/O	14A

## Brass adaptors



Part No.	Internal Thread	External Thread	Length
<b>320.050</b>	1/8" - 27NPTF	1/4" - 18NPTF	20mm
<b>320.051</b>	1/8" - 27NPTF	3/8" - 18NPTF	20mm
<b>320.052</b>	1/8" - 27NPTF	5/8" - 18UNF	20mm
<b>320.053</b>	1/8" - 27NPTF	1/2" - 14NPTF	20mm
<b>320.054</b>	1/8" - 27NPTF	M14 x 1.5	20mm
<b>320.055</b>	1/8" - 27NPTF	M16 x 1.5	20mm
<b>320.056</b>	1/8" - 27NPTF	M18 x 1.5	20mm
<b>320.058</b>	5/8" - 18UNF	1/2" - 14NPTF	20mm
<b>180.059</b>	Thermowell	1/8" - 27NPTF	20mm



VDO



## T-Piece Adaptors

Part No.	Internal Thread	External Thread	Length
<b>230.031</b>	1/8" - 27NPTF x 2	1/8" - 27NPTF	66mm
<b>230.032</b>	1/4" - 18NPTF x 2	1/8" - 27NPTF	66mm
<b>230.035</b>	M14 X 1.5 x 2	1/8" - 27NPTF	66mm
<b>230.036</b>	1/8" - 28BPST x 2	1/8" - 27NPTF	66mm

VDO



## Fuel Senders - Float Arm

Part No.	Range	Depth	Insulated Return
<b>22681015001C</b>	3 - 180 Ohms	150 - 600mm	Yes
<b>220.003</b>	3 - 180 Ohms	150 - 535mm	No
<b>220.004</b>	0 - 90 Ohms	150 - 535mm	No
<b>220.005</b>	240 - 33 Ohms	150 - 535mm	No

VDO



## Fuel Senders - Tubular

Part No.	Length	Ohms @ Full	Ohms @ Empty
<b>224011000022G</b>	220mm	3 Ohms	80 Ohms
<b>224011000040G</b>	400mm	2.5 Ohms	74.9 Ohms
<b>224011000045G</b>	450mm	2.5 Ohms	84.3 Ohms
<b>224011000050G</b>	500mm	2.5 Ohms	75.4 Ohms
<b>224011000065G</b>	650mm	2.5 Ohms	82.2 Ohms
<b>224011000075G</b>	750mm	2 Ohms	82 Ohms

VDO



## Pressure Senders - Oil

Part No.	Gauge Range - KPA	Gauge Range	Thread	Range	Terminal	Switch Point
<b>360.001</b>	500	75psi	1/8" - 27NPTF	10 - 180 Ohms	Blade	N/A
<b>360.002</b>	1000	150psi	1/8" - 27NPTF	10 - 184 Ohms	Blade	N/A
<b>360.003</b>	700	100psi	1/4" - 18NPT	73 - 10 Ohms	Blade	N/A
<b>360.004</b>	500	75psi	1/4" - 18NPT	10 - 180 Ohms	Blade	N/A
<b>360.005</b>	500	75psi	1/4" - 18NPT	73 - 10 Ohms	Blade	N/A
<b>360.008</b>	800	116psi	1/8" - 27NPTF	0 - 90 Ohms	M4	N/A
<b>360.013</b>	700	100psi	1/4" - 18NPT	10 - 180 Ohms	Button	N/A
<b>360.014</b>	600	87psi	1/8" - 27NPTF	10 - 180 Ohms	Blade	N/A
<b>360.016</b>	500	75psi	1/8" - 28BSP	10 - 180 Ohms	Button	N/A
<b>360.017</b>	600	87psi	1/8" - 28BSP	10 - 180 Ohms	Button & blade	50kPa
<b>360.019</b>	1000	150psi	1/8" - 27NPTF	10 - 184 Ohms	M4	N/A
<b>360.050</b>	500	80psi	1/8" - 27NPT	240 - 33 Ohms	M4	N/A
<b>360.086</b>	700	100psi	1/8" - 27NPTF	10 - 180 Ohms	M4	N/A





## Pressure Senders - Oil/Air

VDO

GAUGES

Part No.	Gauge Range - Bar	Gauge Range	Thread	Range	Terminal	Switch Point
360081029012K	10	150psi	1/8" - 27NPTF	10 - 180 Ohms	2x M4	N/A
360081030015C	10	150psi	1/8" - 27NPTF	10 - 180 Ohms	2x M4	0.8bar/11.5psi
360081030049K	5	75psi	1/8" - 27NPTF	10 - 180 Ohms	2x M4	0.5bar/7psi
360081032001C	5	75psi	1/8" - 27NPTF	10 - 180 Ohms	2x M4	N/A
360081032014C	10	150psi	1/8" - 27NPTF	10 - 180 Ohms	2x M4	N/A
360081038003C	25	350psi	1/8" - 27NPTF	10 - 180 Ohms	2x M4	N/A
362081001001K	5	75psi	1/8" - 27NPTF	5 - 90 Ohms	2x M4	N/A
362081001002K	10	150psi	1/8" - 27NPTF	5 - 90 Ohms	2x M4	N/A
362081003002K	10	150psi	1/8" - 27NPTF	5 - 90 Ohms	1x M4	N/A



## Pressure Switch - Normally Closed

VDO

Part No.	Thread	Terminal	Switch Pressure
231.081	1/4" - 18NPTF	Button	25kPa
231.082	1/8" - 27NPTF	Spade	21kPa
231.083	1/8" - 27NPTF	Button	55kPa
231.084	1/8" - 28BSPT	Button	21kPa
231.085	M10 x 1.0	Spade	25kPa
231.086	1/8" - 28BSPT	Bullet	21kPa
231.087	M14x1.5	Spade	21kPa
231.088	1/4" - 18NPTF	3 pin plug	21kPa
231.089	1/8" - 28BSPT	1 pin plug	21kPa
231.102	1/8" - 28BSPT	Spade	50kPa
231.106	1/4" - 18NPTF	Spade	40kPa



## Pressure Switch - Adjustable

VDO

Part No.	Preset	Range	Thread
330.102C	2psi	1.1 - 3psi N/C	1/8" - 27NPTF
330.104	4psi	3.1 - 7psi N/O	1/8" - 27NPTF
330.104C	4psi	3.1 - 7psi N/C	1/8" - 27NPTF
330.110	10psi	8 - 13psi N/O	1/8" - 27NPTF
330.110C	10psi	8 - 13psi N/C	1/8" - 27NPTF
330.115	15psi	14 - 24psi N/O	1/8" - 27NPTF
330.115C	15psi	14 - 24psi N/C	1/8" - 27NPTF
330.135	35psi	25 - 50psi N/O	1/8" - 27NPTF
330.160	60psi	51 - 90psi N/O	1/8" - 27NPTF
330.160C	60psi	51 - 90psi N/C	1/8" - 27NPTF
330.1100C	100psi	91 - 150psi N/C	1/8" - 27NPTF



VDO



## Pressure Switch - Adjustable Dual Circuit

Part No.	Preset	Range	Thread
<b>430.102</b>	2psi	1.1 - 3psi	1/8" - 27NPTF
<b>430.104</b>	4psi	3.1 - 7psi	1/8" - 27NPTF
<b>430.110</b>	10psi	8 - 13psi	1/8" - 27NPTF
<b>430.115</b>	15psi	14 - 24psi	1/8" - 27NPTF
<b>430.135</b>	35psi	25 - 50psi	1/8" - 27NPTF
<b>430.160</b>	60psi	51 - 90psi	1/8" - 27NPTF
<b>430.1100</b>	100psi	91 - 150psi	1/8" - 27NPTF

VDO



## Temperature Switch

Part No.	Switch Point	Thread	Terminal	Length	Max Temp
<b>230.114NC</b>	95°C	1/8" - 27NPTF	2x Blade	30mm	110°C
<b>230.115NO</b>	95°C	1/8" - 27NPTF	2x Blade	30mm	110°C
<b>230.045</b>	96°C	1/8" - 27NPTF	Thread	33mm	120°C
<b>230.046</b>	90°C	M10 x 1.5	Thread	38.5mm	120°C
<b>230.051</b>	95°C	1/2" - 14NPTF	Blade	29mm	120°C
<b>230.079</b>	95°C	1/2" - 14BSP	2x Blade	13mm	120°C
<b>230.080</b>	102°C	1/2" - 14BSP	2x Blade	13mm	120°C
<b>232.011/017/041</b>	105°C	1/2" - 14NPTF	Blade	29mm	120°C
<b>232011005004D</b>	170°C	M10 x 1.5	Thread	38.5mm	220°C
<b>232011005017D</b>	150°C	M10 x 1.5	Thread	38.5mm	200°C

VDO



## Temperature Sender/Switch

Part No.	Switch Point	Thread	Terminal	Length	Gauge Range	Range
<b>323803001025</b>	120°C	1/2" - 14NPTF	2x Blade	29	40 - 120°C	287 - 23 Ohms
<b>323.803/001/032</b>	108°C	1/2" - 14NPTF	2x Blade	40	40 - 120°C	287 - 23 Ohms
<b>323803001002D</b>	98°C	5/8" - 18NF-3	2x Blade	40	40 - 120°C	287 - 23 Ohms
<b>323803001006D</b>	96°C	M14 x 1.5	2x Blade	40	40 - 120°C	287 - 23 Ohms
<b>323803001019D</b>	95°C	1/2" - 14NPTF	2x Blade	40	40 - 120°C	287 - 23 Ohms
<b>A2C1755480001</b>	130°C	M14 x 1.5	2x Blade	40	50 - 150°C	323 - 18 Ohms

# Temperature Sender

VDO

GAUGES

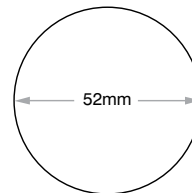
Part No.	Thread	Terminal	Length	Gauge Range	Range
320.002	1/8" - 27NPTF	Button	29	40 - 120°C	287 - 23 Ohms
320.004	M16 x 1.5	Button	29	40 - 120°C	287 - 23 Ohms
320.006	1/8" - 27NPTF	Button	29	60 - 200°C	550 - 14 Ohms
320.020	1/8" - 27NPTF	Button	10.5	60 - 200°C	550 - 14 Ohms
320.021	1/8" - 27NPTF	Button	29	50 - 150°C	323 - 18 Ohms
320.022	1/2" - 14NPTF	Blade	29	40 - 120°C	287 - 23 Ohms
320.092	1/8" - 27NPTF	Thread	29	50 - 150°C	323 - 18 Ohms
320.093	1/8" - 27NPTF	Thread	29	40 - 120°C	287 - 23 Ohms
323805001001K	M14 x 1.5	2x Blade	29	40 - 120°C	287 - 23 Ohms
323805001002C	5/8" - 18UNF-3A	2x Blade	29	40 - 120°C	287 - 23 Ohms
323805001004K	1/2" - 14NPTF	2x Blade	29	40 - 120°C	287 - 23 Ohms
323805001005N	3/8" - 18NPTF	2x Blade	29	40 - 120°C	287 - 23 Ohms
323805003002N	1/4" - 18NPTF	2x Blade	29	50 - 150°C	323 - 18 Ohms
325805003001C	1/4" - 18NPTF	2x Blade	40	40 - 120°C	144 - 12 Ohms



## 230.037

### Angled Gauge Spacer

Single gauge angled mounting panel  
To suit standard 52mm gauges

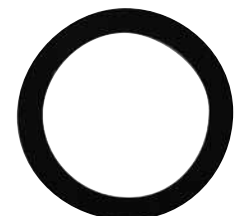
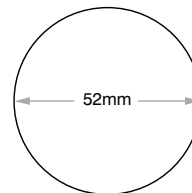


VDO

## 230.004

### Gauge Mounting Reduction Ring

70mm to 52mm

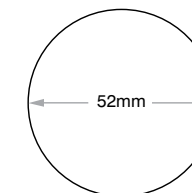


VDO

## 230.001

### Bracket Black

52mm single

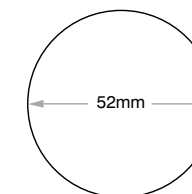


VDO

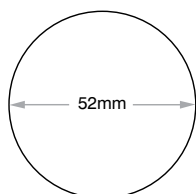
## 230.006

### Dual Gauge Mounting Bracket

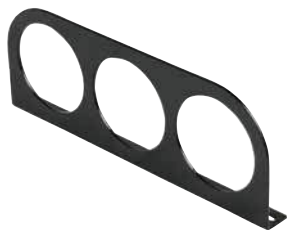
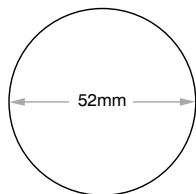
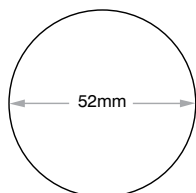
Double gauge mounting panel  
To suit standard 52mm gauges



VDO

**VDO****230.005****Single Gauge Mounting Bracket**

Use for mounting 52mm gauges

**VDO****230.007****Triple Gauge Mounting Bracket**Triple gauge mounting panel  
To suit standard 52mm gauges**VDO****230.038****Black Blanking Cover**Black instrument blank  
To suit standard 52mm gauges**OEX****ACX4870****Glow Plug Timer**Adjustable glow plug ON time to suit individual engines  
Adjustment switch mounted in front panel to enable the operator to select the desired heating time afterglow function  
LED mounted in the front panel to indicate that the timer is activated**VOLTAGE**  
12V**OEX****ACX4851****Turbo Timer**Suitable where one circuit must be energised  
Switch functions: 1, 3, 5 minutes  
LED in front panel to indicate timer is activated  
Easy mounting  
On/off activated through ignition feed  
3 wire connection**VOLTAGE**  
12V**OEX****ACX4852****Turbo Timer**Suitable where one circuit must be energised  
Switch functions: 1, 3, 5 minutes  
LED in front panel to indicate timer is activated  
Easy mounting  
On/off activated through ignition feed  
3 wire connection**VOLTAGE**  
24V

# IP RATING

## Ingress Protection

An Ingress Protection (IP) rating allows you to quickly and easily identify the level of environmental protection provided by electrical equipment and enclosures.

A two-digit number, as specified in Australian Standards AS60529 and EN60529, is used to provide an IP rating to equipment.

### INGRESS PROTECTION RATINGS QUICK GUIDE



1st No. =  
Protection Against Solids

2nd No. =  
Protection Against Liquids

Protection Against Solids		Protection Against Liquids	
<b>0</b>	No protection	<b>0</b>	No protection
<b>1</b>	Protected against solid foreign objects over 50mm	<b>1</b>	Protected against vertically falling drops of water
<b>2</b>	Protected against solid objects 12.5mm & larger	<b>2</b>	Protected against direct sprays of water with up to 15° angle from vertical
<b>3</b>	Protected against solid objects 2.5mm & larger	<b>3</b>	Protected against direct sprays of water with up to 60° angle from vertical
<b>4</b>	Protected against solid objects 1mm & larger	<b>4</b>	Protected against water sprayed from any direction, limited ingress permitted
<b>5</b>	Limited protection against dust ingress	<b>5</b>	Protected against low pressure water jets from any direction, limited ingress permitted
<b>6</b>	Total protection against dust ingress	<b>6</b>	Protected against high pressure water jets from any direction, limited ingress permitted
		<b>7</b>	Protected against immersion between 150mm & 1m
		<b>8</b>	Protected against long periods of immersion under pressure
		<b>9K</b>	Protected against high pressure steam / high temperature wash down applications



# FANS/TOOLS

Fans

Tools & Consumables







# High Temperature Thermo Fans to Suit Universal Applications

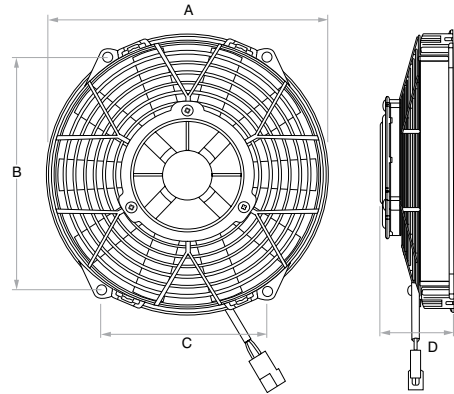
Designed to be mounted behind condenser or radiator to pull air through heat exchangers

Long life - ideal for industrial & commercial use

Blades are balanced to motor, providing smooth & quiet operation, enabling endurance characteristics far beyond standard fans

Approx. 5,000 - 16,000 hours

Mounting feet Part No. EFX4521 (not included with fan)



## 12V Puller Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX5530	11" Puller straight blade	12	9.4	1100	294	269	155	67	Life expectancy 5,000 hours
EFX5509	16" Puller straight blade	12	9.9	1790	400	359	207	80	Life expectancy 5,000 hours
EFX5534	16" Puller straight blade	12	11.5	2160	415	360	207	93	Life expectancy 10,000 hours - super long life



## 24V Puller Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX5515	11" Puller straight blade	24	4.7	1120	294	269	155	67	Life expectancy 5,000 hours
EFX5542	12" Puller straight blade	24	4.6	1240	318.5	291.5	168	67	Life expectancy 5,000 hours
EFX5520	16" Puller straight blade	24	5.3	1850	400	359	207	80	Life expectancy 5,000 hours



## EFX4521

Mounting Feet to suit Comex Fans

For flat mounting applications

4 per pack

# Long Life Thermo Fans by Comex to suit Universal Applications

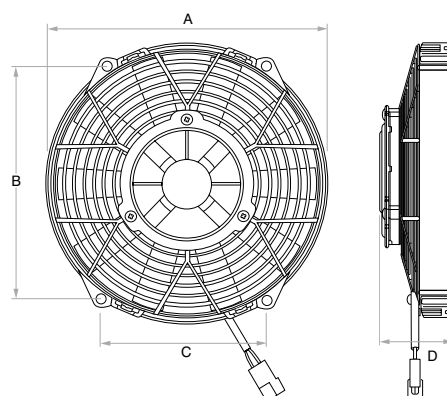
Designed to be mounted behind condenser or radiator to pull air through heat exchangers

Long life - ideal for industrial & commercial use

Blades are balanced to motor, providing smooth & quiet operation, enabling endurance characteristics far beyond standard fans

Approx. 5,000 - 16,000 hours

Mounting feet Part No. EFX4521 (not included with fan)



## 12V Puller Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX4500	9" Puller straight blade	12	7.6	694	247	207	139	52	Life expectancy 5,000 hours
EFX4502	10" Puller straight blade	12	7.3	930	285	247	142	55	IP68 rated
EFX4530	11" Puller straight blade	12	9.4	1100	310	270	155	67	IP68 rated
EFX4504	11" Puller straight blade	12	7.9	953	310	270	155	55	Life expectancy 5,000 hours
EFX4772	12" Puller straight blade	12	7.1	1112	336	292	168	65	Life expectancy 5,000 hours
EFX4506	12" Puller straight blade	12	10.9	1342	336	292	168	65	Life expectancy 10,000 hours - super long life



## 24V Puller Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX4511	9" Puller straight blade	24	4.3	730	247	207	139	52	Life expectancy 5,000 hours
EFX4513	10" Puller straight blade	24	4.3	971	254	247	142	55	Life expectancy 5,000 hours
EFX4538	10" Puller straight blade	24	3.9	924	254	247	142	55	Life expectancy 5,000 hours
EFX4517	12" Puller straight blade	24	5.4	1312	336	292	168	65	Life expectancy 5,000 hours
EFX4771	12" Puller straight blade	24	7.5	1771	333	238	238	94	Life expectancy 16,000 hours - super long life

## EFX4521

### Mounting Feet to suit Comex Fans

For flat mounting applications

4 per pack



# High Temperature Thermo Fans to Suit Universal Applications

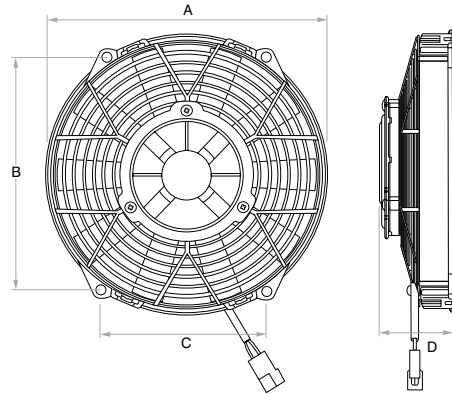
Designed to be mounted in front of condenser or radiator to push air through heat exchangers

Long life - ideal for industrial & commercial use

Blades are balanced to motor, providing smooth & quiet operation, enabling endurance characteristics far beyond standard fans

Approx. 5,000 - 10,000 hours

Mounting feet Part No. EFX4521 (not included with fan)



## 12V Pusher Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX5501	9" Pusher straight blade	12	7	670	246	207	139	67	Life expectancy 5,000 hours
EFX5503	10" Pusher straight blade	12	7.1	900	269	247	142	69	Life expectancy 5,000 hours
EFX5531	11" Pusher straight blade	12	8.9	1020	294	269	155	67	Life expectancy 5,000 hours
EFX5533	12" Pusher straight blade	12	8.7	1190	318.5	291.5	168	67	Life expectancy 5,000 hours
EFX5510	16" Pusher straight blade	12	9.5	1720	400	359	207	80	Life expectancy 5,000 hours
EFX5535	16" Pusher straight blade	12	12.2	2166	415	360	207	91	Life expectancy 10,000 Hours - Super Long Life



## 24V Pusher Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX5545	16" Pusher Straight blade	24	6	2201	415	360	207	91	Life expectancy 10,000 hours - super long life



## EFX4521

Mounting Feet to suit Comex Fans

For flat mounting applications

4 per pack



## Long Life Thermo Fans to Suit Universal Applications

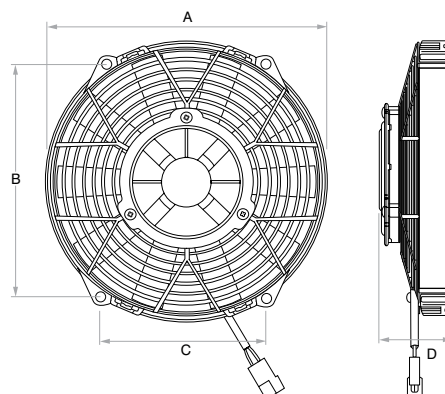
Designed to be mounted in front of condenser or radiator to push air through heat exchangers

Long life - ideal for industrial & commercial use

Blades are balanced to motor, providing smooth & quiet operation, enabling endurance characteristics far beyond standard fans

Approx. 5,000 - 10,000 hours

Mounting feet Part No. EFX4521 (not included with fan)



### 12V Pusher Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX4501	9" Pusher straight blade	12	7	665	247	207	139	52	Life expectancy 5,000 Hours
EFX4503	10" Pusher straight blade	12	7.1	894	285	247	142	55	Life expectancy 5,000 Hours
EFX4505	11" Pusher straight blade	12	7.7	971	310	270	155	55	Life expectancy 5,000 Hours
EFX4531	11" Pusher straight blade	12	8.9	1018	310	270	155	67	Life expectancy 5,000 Hours
EFX4524	12" Pusher straight blade	12	10.2	1253	336	292	168	65	Life expectancy 10,000 Hours - Super Long Life



### 24V Pusher Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX4512	9" Pusher straight blade	24	3.7	694	247	207	139	52	Life expectancy 5,000 Hours
EFX4514	10" Pusher straight blade	24	4.2	936	285	247	142	55	Life expectancy 5,000 Hours
EFX4539	10" Pusher straight blade	24	3.7	894	285	247	142	55	Life expectancy 5,000 Hours
EFX5516	11" Pusher straight blade	24	4.3	1000	294	269	155	67	Life expectancy 5,000 Hours
EFX4525	12" Pusher straight blade	24	4.9	1271	336	292	168	65	Life expectancy 5,000 Hours
EFX5543	12" Pusher straight blade	24	4.5	1190	318.5	291.5	168	67	Life expectancy 5,000 Hours

### EFX4521

Mounting Feet to suit Comex Fans

For flat mounting applications

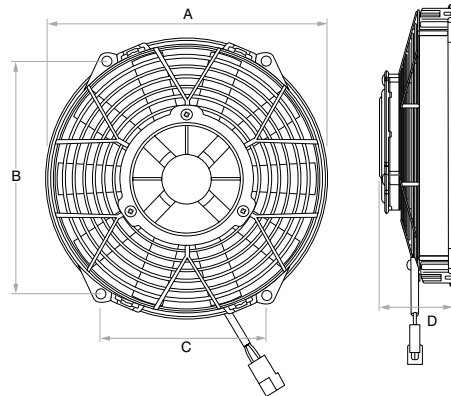
4 per pack



# Standard Thermo Fans to Suit Universal Applications

Reversible to allow for mounting behind or in front of radiator or condenser

Air flow direction can be changed by reversing fan blade & motor polarity



## 12V Reversible Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX045	9" Reversible fan	12	7	585	249	242	125	55	Life expectancy 1,500 hours
EFX049	9" Reversible fan	12	9	800	293	293	148	51	Life expectancy 1,500 hours
EFX047	10" Reversible fan	12	7	745	290	270	145	64	Life expectancy 1,500 hours
EFX0162	12" Reversible fan	12	9	800	293	293	148	51	Life expectancy 1,500 hours
EFX0463	14" Reversible fan	12	11	950	348	350	185	76	Life expectancy 1,500 hours
EFX042	16" Reversible fan	12	19	2119	424	400	208	100	Life expectancy 1,500 hours



## 24V Reversible Fans

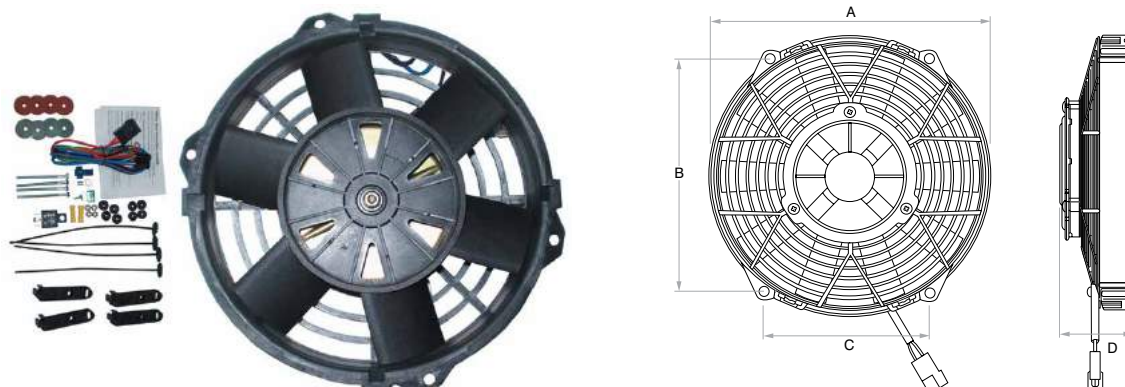
Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX046	9" Reversible fan	24	3.5	585	249	242	125	55	Life expectancy 1,500 hours
EFX048	10" Reversible fan	24	3.5	745	290	270	145	64	Life expectancy 1,500 hours
EFX039	12" Reversible fan	24	4.5	800	293	293	148	51	Life expectancy 1,500 hours
EFX050	12" Reversible fan	24	4.5	800	293	293	148	51	Life expectancy 1,500 hours
EFX052	14" Reversible fan	24	5.5	950	348	350	185	76	Life expectancy 1,500 hours
EFX028	16" Reversible fan	24	9.5	2119	424	400	208	100	Life expectancy 1,500 hours

# Standard Thermo Fans to Suit Universal Applications

Mounting & fitting kit included

Reversible to allow for mounting behind or in front of radiator or condenser

Air flow direction can be changed by reversing fan blade & motor polarity



## 12V Reversible Fans



Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX0812K	8" with mounting kit	12	3.5	230	220	216	108	62	Life expectancy 1,500 hours
EFX0912K	9" with mounting kit	12	5.5	398	266	242	187	58	Life expectancy 1,500 hours
EFX1012K	10" with mounting kit	12	7.5	403	292	277	119	60	Life expectancy 1,500 hours
EFX1212K	12" with mounting kit	12	9	564	315	299	119	87	Life expectancy 1,500 hours
EFX1412K	14" with mounting kit	12	10.5	913	356	340	181	86	Life expectancy 1,500 hours
EFX1612K	16" with mounting kit	12	18.5	1156	428	385	208	100	Life expectancy 1,500 hours

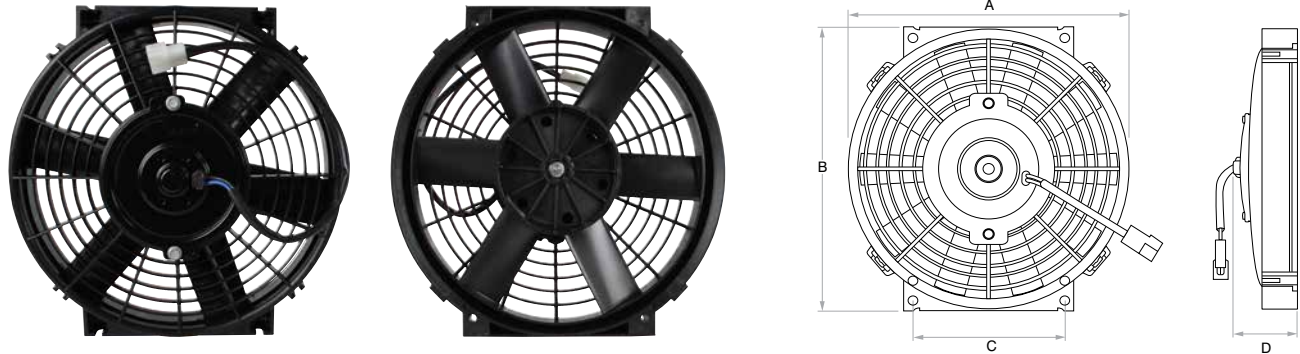
## 24V Reversible Fans



Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
EFX0824K	8" with mounting kit	24	1.7	245	220	216	108	62	Life expectancy 1,500 hours
EFX0924K	9" with mounting kit	24	3.5	356	266	242	187	58	Life expectancy 1,500 hours
EFX1024K	10" with mounting kit	24	4.5	385	292	277	119	60	Life expectancy 1,500 hours
EFX1224K	12" with mounting kit	24	5	619	315	299	119	87	Life expectancy 1,500 hours
EFX1424K	14" with mounting kit	24	5.2	780	356	340	181	86	Life expectancy 1,500 hours
EFX1624K	16" with mounting kit	24	9.2	1163	428	385	208	100	Life expectancy 1,500 hours

# Standard Thermo Fans to Suit Universal Applications

Reversible to allow for mounting behind or in front of a radiator or condenser  
 Note: Air flow direction can be changed by reversing fan blade & motor polarity



## 12V Reversible Fans

Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
FA0002	10" 80W reversible	12	6.2	280	284	273	144	65	Mounting feet to suit: EFX501
FA0023	12" 85W reversible	12	7.4	784	312	299	165	64	Mounting feet to suit: EFX501
FA0070	14" 120W reversible	12	7	1038	355	352	185	86	Mounting feet to suit: EFX501



## 24V Reversible Fans

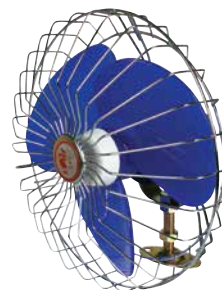
Part Number	Part Description	Voltage	Amps	Air Flow [cfm]	A [mm]	B [mm]	C [mm]	D [mm]	Note
FA0006	10" 80W reversible	24	3.3	340	284	273	144	65	Mounting feet to suit: EFX501
FA0028	12" 85W reversible	24	3.7	868	312	299	165	64	Mounting feet to suit: EFX501
FA0071	14" 120W reversible	24	3.5	1154	355	352	185	86	Mounting feet to suit: EFX501

## EFX358-24

### Dash Mount Fan

Single speed metal protective grille  
3 Blade mounting kit  
Number of speeds: 1

 **VOLTAGE**  
24V



## EFX358-12

### Dash Mount Fan

Single speed metal protective grille  
3 Blade mounting kit  
Number of speeds: 1

 **VOLTAGE**  
12V



## RD545750P

### Dash Mount Fan

2 Speed 160 CFM high speed  
Plastic grille  
Number of speeds: 2

 **VOLTAGE**  
12V



## EFX4521

### Straight Mounting Feet

To suit Comex Thermo Fans for flat mounting applications  
4 pack



## EFX501

### Fan Mounting Kit

To suit Davies Craig thermo fans  
4 pack



## 2903.0010.00

### Low Profile Mounting Feet

4 pack



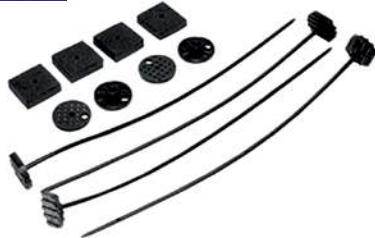




## EFX503

### Fan Mounting Hardware

- 4x Mounting bolts
- 8x Steel washers
- 8x Fibre washers
- 4x Locking nuts



## EFX500

### Universal Mounting Strap Kit

- 4x Mounting ties
- 4x Mounting clips
- 4x Mounting pads



## EWX8000

### Digital EWP & Fan Controller

- LCD digital display input voltage 12V DC to 24V
- Displays engine target temperature
- Displays flashing EWP logo indicating coolant flow
- Displays fan symbol indication fan operation
- There are 9 target set temperatures
- Factory setting 80°C

	<b>VOLTAGE</b> 12/24V
	<b>AMPS</b> 12A

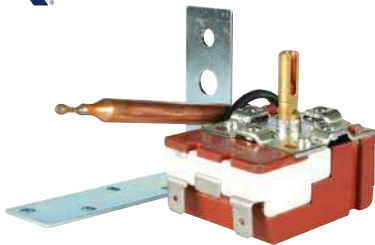


## EFX0444

### Digital Thematic Fan Switch

- Temperature range 40°C to 100°C
- LED digital display

	<b>VOLTAGE</b> 12V
	<b>AMPS</b> 50A

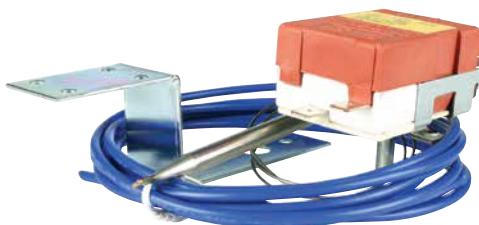


## EFX510

### Thermostatic Switch

- Universal applications
- Manually adjustable
- Setting range 50°C-100°C

	<b>VOLTAGE</b> 12/24V
--	--------------------------



## EFX502

### Thermostatic Switch

- Universal applications
- Manually adjustable, setting range 70°C - 95°C
- Air surface sensing
- Complete with mounting kit

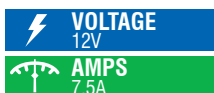


## EWX8005

### Electric Water Pump



Operating voltage: 4V DC to 14.5V DC  
Maximum current: 7.5A  
Flowrate: 20 to 80Ltr/min 300 to 1300ga/hr at 13.5V DC  
Operating temperature -20°C to 130°C, -5°F to 270°F  
Motor life: 2000 hrs continuous at 80°C, 180°F and 12V DC  
Pump weight: 900g/2lb  
Pump material: Nylon 66, 30% glass filled  
Maximum pressure: Tested to 50psi  
Fits hose sizes: 32mm to 50mm 1 1/4 to 2  
Input voltage: 3 to 15V



## ACX5300

### Universal Windscreen Washer Kit

Kit includes: Bottle, pump, hose, nozzles, switch & all necessary hardware needed for installation  
1.3L capacity



## Windscreen Washer Pump

This is a gravity fed pump & must be mounted below the washer bottle  
Suits universal applications

Part No.	Voltage	Notes
ACX5303	12V	Suits Part No. ACX5300
ACX5304	24V	Used to convert ACX5300 to 24V



## Windscreen Washer Pump

This is a gravity fed pump & must be mounted below the washer bottle

Part No.	Voltage
ACX5305	12V
ACX5306	24V



# REDARC

## 5 Common Brake Controller Installation Mistakes

### 1. Brake Signal Pickup

The requirements for a suitable connection of a brake controller trigger wire are quite specific. It must provide battery voltage output while the vehicle brakes are applied / 0 volts output while the vehicle brakes are not applied. It must also accept battery voltage when the brake controller manual override is operated and illuminate at least the trailer's brake lights.

### 2. Unsecure or Loose Mounting

Whilst REDARC's Brake controllers can be mounted in any orientation, it's important that inertia sensing (proportional) models such as the Tow-Pro™ Elite are securely mounted to the vehicle. The internal accelerometer relies on a solid mounting to know how hard the vehicle's brakes are applied so it can vary its output accordingly.

### 3. Power Supplied Via Relay

Brake controllers should be powered directly from the battery via a circuit breaker. There are two reasons to avoid using a switched power supply; Firstly, you want to retain trailer brakes even if the ignition cuts out unexpectedly. Secondly, on inertia controlled units, removing power will clear the unit's calibration. This would result in rough braking until the unit has recalibrated again.

### 4. Dashboard Too Thick

When choosing a suitable mounting location it's important to also consider the thickness of material the controller will be installed on, or anything else hidden underneath like airbags! For REDARC's Tow-Pro™ range the remote head must be installed in material between 2-3mm thick so that the override button can be depressed correctly.

### 5. Inadequate Wiring or Connectors

The final stumbling block is wiring gauge and/or poor connections. Under full braking force, a trailer can draw as much as 25 amps. Whilst your own trailer may only have a single axle, it's best to think ahead and allow sufficient cable width for the boat with a 3 axle trailer you might borrow in the future. Also, remember that cheaper components such as blade fuses or crimp terminals are often not up to the task of currents of this magnitude, particularly after a year or so underneath your car.



## 0301180

### Combination Pliers 180mm

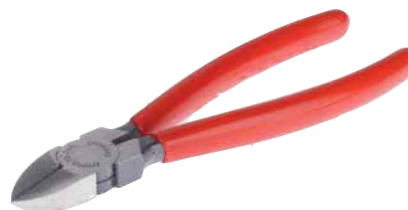
Handles: Plastic coated  
 Soft wire cutting capacity: 3.8mm  
 Medium wire cutting capacity: 2.7mm  
 Hard wire cutting capacity: 2.2mm



## 7001160

### Diagonal Cutter 160mm

Soft wire cutting capacity: 4mm  
 Medium wire cutting capacity: 2.8mm  
 Hard wire cutting capacity: 2mm



## 7401180

### Diagonal Cutter 180mm

High leverage diagonal cutter



## 8801250

### Alligator 'Multigrip' Pliers 250mm

Handles: Non-slip plastic coating  
 Adjustment positions: 9  
 Height for pipes: 2"  
 Heights for nuts: 46mm



## 2611200

### Snipe Nose Pliers 200mm

Handles: Plastic coated  
 Cutting capacity: 15mm, 50mm<sup>2</sup>, 1/0 AWG



## 9511165

### Shears Cable 165mm

Handles: Plastic coated  
 Cutting capacity: 15mm, 50mm<sup>2</sup>, 1/0 AWG





### ACX6025

Cable Cutter

Cuts up to wire size 60mm<sup>2</sup>



### ACX6027

Cable Cutter

Cuts up to 100mm<sup>2</sup> cable  
Heavy duty construction



### ACX6028

Cable Cutter

Cuts up to 250mm<sup>2</sup> cable  
Heavy duty construction  
Long handles with rubber grips for extra leverage



### ACX6011

Crimping Tool

Wire cutter (including spark plug wires)  
Wire stripper  
Crimps insulated and non-insulated terminals  
Crimps ignition terminals  
Twin lock



### ACX6010

Crimping Tool

Wire cutter  
Wire stripper  
Crimps insulated terminals  
Crimps ignition terminals  
Bolt cutter (2.6mm, 3mm, 3.5mm, 4mm, 5mm)



### ACX6014

Heavy Duty Crimping Pliers

Suits red, blue and yellow insulated and non-insulated terminals  
Cuts, strips and crimps



## ACX6017

### Ratchet Type Crimper

Suits: Red, blue and yellow insulated terminals  
Incorporates six pressure settings



## ACX6018

### Ratchet Type Crimper

Suits non insulated terminals  
Incorporates six pressure settings



## ACX6013

### Heavy Duty Crimping Pliers

Suits: Red, blue and yellow insulated terminals  
Made of 5mm hardened steel  
Cuts, strips and crimps



## 56513

### Quick Change Ratchet Crimp Kit

Suits insulated and non-insulated  
4 interchangeable heads  
Heavy duty ratchet action and spring release



## ACX6052

### Hydraulic Crimper

Suits lug size 10-70mm<sup>2</sup>



## ACX6020

### Cable Lug Crimper

Long arms for extra leverage  
High quality, heavy duty construction  
Suits lug sizes from 10 - 95mm<sup>2</sup>  
Can be used in conjunction with a bench vice





### ACX6021

#### Heavy Duty Crimp Tool

Hexagon crimping with moveable and revolving dies  
Suits lug sizes from 25mm<sup>2</sup> - 150mm<sup>2</sup>



### ACX6030

#### Wire Stripper & Cutter

Cuts and strips cable 0.5 - 6mm<sup>2</sup> diameter  
Self adjusting



### ACX6051

#### Wire Stripper & Crimping Tool

Cuts & strips wire size 1.13mm<sup>2</sup>-6mm<sup>2</sup>



### ACX6208BL

#### Circuit Tester LED

Flexible silicone lead  
1.5m connecting lead

**VOLTAGE**  
6-24VDC



### ACX6206

#### Heavy Duty Test Light

3W  
Flexible silicone lead

**VOLTAGE**  
12V



### ACX6200

#### Circuit Tester

Tempered steel probe  
1.2m connecting lead  
Impact & chemical resistant housing

**VOLTAGE**  
6/12V

## ACX6202

### Computer Safe Circuit Tester

Draws less than 21A @ 12V DC

Ideal for use with automotive & computer circuitry

Built in polarity determiner

Red LED = positive

 **VOLTAGE**  
3/15V



**OEX**

TOOLS & TAPE

## Soldering Iron Cordless

7 second heat up time through copper core tip

Lithium Ion battery can last weeks and up to a month between charging

Australian made with 6061 grade aluminium body

No fuel, flame, combustion or leaks which is perfect for working in enclosed spaces

Part No.	Watts
ARI175-R	15W
ARI200-Y AI	28W
ARI250-G	38.9W



**ARI**

## Soldering Iron Continuous Use 240V

Plastic impact resistant handle for heat insulation

Robust construction with balanced weight

Part No.	Watts
ACX6100	100W
ACX6101	150W
ACX6102	200W
ACX6103	300W



**OEX**

## Soldering Iron 12V & Replaceable Tip

Detachable lead with a 150cm piggy tail and 25A alligator clips so it can be extended if required

Long lasting glow plug style design

10 Second start up

Part No.	Description
24-BULL	Soldering iron 12V
24-BULLTIP	Soldering iron tip to suit 24-BULL



**GENR8**

## Scope Heavy Duty Soldering Iron 240V

5 second heat up

Manual temperature control

Part No.	Description
ACX6110	Scope heavy duty soldering iron with 4V power supply
ACX6111	Scope replacement iron with auto switch off, powered by ACX6110 (sold separately)



**OEX**

## ACX6105

### Superscope Soldering Iron

30 - 150W

Operates from car or tractor battery

Fast heating - 200°C in 5 seconds

6m lead

 **VOLTAGE**  
12V



**OEX**



## Copper, Element & Economy Tips

To suit Scope soldering irons

Part No.	Description	Pack Qty
<b>ACX6113</b>	Copper tip, 6.4mm DF	10
<b>ACX6114</b>	Copper tip, 3.2mm conical	10
<b>ACX6116</b>	Element	10
<b>ACX6118</b>	Economy tip & element (includes 2x ACX6116 elements, 1x ACX6114 copper tip & 2x ACX6113 copper tips)	5



## ACX6115

Stainless Steel Barrell

To suit Scope soldering irons



## 05-02

Ceramic Beads

To suit Scope soldering irons

1 per pack



## Solder Resin Core

Part No.	Brand	Ratio	Diameter	Weight
<b>ACX6149</b>	OEX	40/60 tin/lead	1.6mm	450g
<b>24-RC1.6</b>	GENR8	40/60 tin/lead	1.6mm	500g
<b>ACX6150</b>	OEX	40/60 tin/lead	3.2mm	450g
<b>24-RC3.2</b>	GENR8	40/60 tin/lead	3.2mm	500g
<b>ACX6151</b>	OEX	50/50 tin/lead	1.6mm	500g



## ACX6153

High Temperature Resin Core Solder Lead Free

3.2mm diameter

95/5 tin/antimony

250g



## ACX6157

Resin Core Solder Lead Free

1.6mm diameter

96.5/3.5 tin/silver

250g

## Solder Acid Core

Part No.	Brand	Ratio	Diameter	Weight
24-AC1.6	GENR8	40/60 tin/lead	1.6mm	500g
ACX6152	OEX	40/60 tin/lead	3.2mm	500g
ACX6155	OEX	60/40 tin/lead	1.6mm	500g



## Solder Stick

Part No.	Ratio	Weight	Pack Qty
ACX6154	50/50 tin/lead	1180g	4
ACX6156	60/50 tin/lead	1100g	4



## ACX6120

### Portasol Gas Soldering Kit

4 tip multi kit

Click to ignite

2 hour run time

Ready to melt solder in less than 30 seconds from ignition

Flameless combustion (solder & hot air modes)



## ACX6121

### Butane Blow Torch

Adjustable flame height & length up to 1,300°C

Up to 60 minutes continuous use



## 56392BL

### Heat Gun Microtherm Flameless

Easy to use trigger action with locking option

Comes supplied with refillable cigarette lighter (gas not included)

Heat shield

Lighter can be refilled using butane filler gas or easily replaced with a standard cigarette lighter



## BR200

### Butane Gas Refill 200g

Suitable for all butane powered products





HellermannTyton



## PROTECT250

High Temp Cloth Tape 19mm x 25m

High temperature polyester fabric harnessing tape  
 Very high temperature stability from -40 °C to +105 °C  
 Temperature and humidity resistance  
 Very good resistance against abrasion  
 Material is flexible and easy to handle  
 Excellent aging resistance, stable against rotting  
 Provides long term reliability under varying and extreme environmental conditions

HellermannTyton



## PROTECT300

Flexible Fleece Tape 19mm x 25m

Soft polyester fleece harnessing tape  
 High noise reduction and very high resistance against abrasion  
 Synthetic rubber based adhesive offers good heat and media resistance  
 High temperature stability from -40 °C to +105 °C  
 Material is very flexible and tearable by hand  
 Excellent aging resistance, stable against rotting

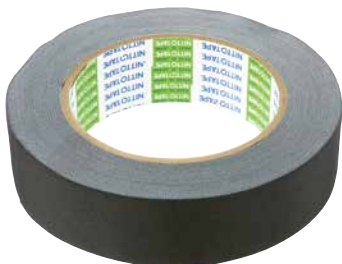
OEX



## White Cotton Tape

Part No.	Size	Pack Qty
ACX1204	16mm x 66m	1
ACX1205	20mm x 66m	1

NITTO DENKO

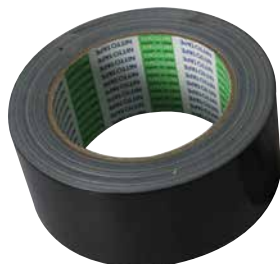


## 156A

Acetate Cloth Tape

30mm x 30m  
 Coated with acrylic & rubber adhesives

NITTO DENKO



## 756-50BLA

Cloth Tape Black

50mm x 25m

NITTO DENKO



## Double Sided Foam Tape

General purpose double coated fixing tape

Part No.	Size	Pack Qty
N221-12	12mm x 10m	1
N221-24	24mm x 10m	1

## EE-1010

### Foam Tape

10mm x 20mm x 7.5m

Self amalgamating

Self-fusing butyl rubber

Weather ability & water resistant



## Harness Tape

Made of PVC

Black

Part No.	Size	Pack Qty
ACX1202	19mm x 20m	10
ACX1203	25mm x 20m	10



## ACX1211

### Insulation Tape

19mm x 18.3m

Black



## PVC Insulation Tape

Part No.	Colour	Size	Pack Qty
ACX1200	Black	19mm x 10m	10
ACX1201	Black	19mm x 20m	10
ACX1209	Red	19mm x 20m	10



## ACX1212

### Rainbow Tape Display Pack

10m

6 pack



## 204ESILVER

### PVC Duct Tape Silver

30m





## ACX1208

Self Fusing Rubber Tape

10m

For electric cable terminal taping with liner



## N015-19

Weld Tape

19mm x 10m

Butyl rubber, for processing & connecting electrical cable ends

Self amalgamating tape



## 4650

Aluminium Foil Tape

50mm x 50m

Heat shielding & water resistant properties

Moisture & corrosion barrier protection, waterproof sealing & elimination of hot spots



## Denso Tape

Synthetic fabric based tape impregnated and coated with petroleum based compounds that are also highly resistant to mineral acids, alkalis and salts

Used for corrosion protection, sealing and waterproofing above ground, under ground and marine applications, protection of pipelines, joints, fittings, cables and tensioning members

Application temp: -5 to +45°C, continuous temp: -20 to +50°C

Part No.	Size	Pack Qty
ACX0077	100mm x 10m	1
ACX0076	50mm x 10m	1
ACX0075	75mm x 10m	1



## 5109

Di-Electric Grease

14.2g



## EMG-220

White Dielectric Grease

220g



## ACX6029

### Senson Grease Syringe

Corrosion prevention grease

**OEX**



## CA63

### Grommet Grab Kit

Electrical wiring grommet assortment kit

12 Sizes 1/8" to 29/32"

Contains: 83 pieces

Colour: Black

**CHAMPION**



## ACX6231

### Quick Smart Orange Pump

5L pump pack

Removes the toughest grime and dirt

Incorporates poly beads for deep cleaning action

Pleasant citrus scent, contains lanolin, antiseptic and citrus oils

**OEX**



## ACX6232

### Quick Smart Lemon

19kg tin

Heavy duty solvent based hand cleaner

Removes oil, grease, ink, paint and tough dirt

Contains lanolin and citrus oils

**OEX**



## ACX6233

### Quick Smart Supa Grit

4kg tin

Contains fine pink pumice to remove heavy duty dirt and grease

Deep cleaning action to remove embedded grease

Contains lanolin

**OEX**



## 49433

### Brush On Electrical Tape BL

118mL

**DynaGrip**





## 24-ALV3000

### Electrical Jointing Compound

225g



## 5097

### Battery Maintenance Spray

CRC Battery Maintenance is an engineered product for the removal of acid corrosion deposits electrolytes, dirt and moisture from battery surfaces

Spray on - wipe off

Resists moisture, neutralises battery acid, promotes longer battery life

Easy to apply

Size: 300g aerosol



## 5098

### Battery Terminal Protector

Specially designed to protect battery terminals from corrosion

Ideal for marine applications as it is highly resistant to saltwater and salt spray

Completely encapsulates exposed surfaces, will not become brittle, crack or peel, dry film clings tenaciously to metal, resisting water wash-off and repelling moisture

Fast drying reduces maintenance time

Permits quick assembly of battery connections

Yellow colour provides easy visual inspection of application

Size: 300g aerosol



## 5089

### Brakleen Chlorinated

Brake and Parts Cleaner formulated to quickly and safely remove brake fluid, grease, oil and other contaminants, selected solvents

Controlled evaporation

Low surface tension and high density ensure superior cleaning

Fast evaporation, minimizes downtime, residue free

Prevents harmful buildup and eliminates rinsing or wiping, non-staining and non-corrosive

Does not contain CFC 113, methyl chloroform, carbon tetrachloride or silicones

Size: 500g aerosol



## 5501

### Penetrant High Speed Penetr8

Extreme penetrating action

Specially formulated to penetrate rust, dissolve varnishes and gums, improves performance and operating efficiency

Loosens rusted and corroded nuts, bolts, couplings, fittings, hinges and frozen components

Outperforms the competition as verified by independent tests

Corrosion inhibiting - lubricating residue prevents further corrosion

Safe on metals and most plastics, rubbers and paints

Size: 400g aerosol



## Aerostart Spray

High volatility provides the necessary fuel vapours to obtain a combustible air/fuel mixture, even at low temperatures and high humidity

Ensures fast, economical starting of all diesel and gasoline engines, reduces starter motor and spark plug wear and saves battery strain and engine wear during cold start

Essential tool, particularly in winter, after long periods of standstill and under humid climatic conditions

Part No.	Size
5051	300g aerosol
5052	400g aerosol





## 5074

### Automotive Silicone

Non-corrosive formula that lubricates, protects and eliminates squeaking and binding caused by friction

Silicone is clear, odourless and highly resistant to water

Size: 300g aerosol



## 3055

### Silicone 808

Provides a thin, durable, odourless film that lubricates, waterproofs and protects all metal, plastic, rubber, fabric, wood, and painted surfaces

Clear, non-staining and odourless

Resists moisture

Reduces friction, wear & noise

Size: 330g aerosol



## 2005

### 2.26 Electrical Multi Purpose

Displaces & seals out moisture

Prevents corrosion, cleans, lubricates & penetrates stable, inert organic formula

Especially prepared to prevent & repair electrical failures due to moisture

Size: 450g aerosol



## 5005

### 5.56 Multi Purpose Lubricant

Moisture eliminator for wet equipment and moisture barrier to prevent trouble before it starts

Protective film and seals out moisture

Will give lubrication where it penetrates, restoring smooth action and silencing annoying squeaks and squeals, contains no silicone

Penetrant - frees rusted or corroded parts, protects against corrosion

Cleaner - apply to a corroded area, let it penetrate, then repair it by rubbing with a light abrasive

Size: 400g aerosol



## 5035

### Tac-2 Chain Lubricant

Adhesive lubricant is safe to use on all types of chains & wear, surfaces

It resists cold, hot & saltwater

Wash-off & high temperature

Slings-off

Reduces wear & friction, stable & long lasting

300g aerosol

Aerostart



## 3040

### Dry Glide

Dry film lubricating treatment

Size: 150g aerosol





## Protective Coating Spray

300g aerosol for agricultural applications

Part No.	Description
3013	<b>Soft Seal</b> , long term indoor/outdoor corrosion inhibitor for machined surfaces and assemblies, humidity and salt spray resistant, provides up to 2 years protection (indoor/outdoor) for storage of equipment, easy to remove using Brakleen or mineral spirits
3097	<b>Long Life</b> , provides lubrication and heavy duty corrosion protection for metal parts and assemblies that are stored indoors, promotes easy start-up of stored equipment, long life anti-rust lubricant, easy to remove using Lectra Clean or Brakleen



## 3200

### Anti-Corrosion Light Dry Film

Clear dry film corrosion inhibitor  
 Creeps quickly to cover exposed  
 Metal surfaces  
 Size: 300g aerosol



## 5037

### White Lithium Grease

Pure, high quality Grade 2 white lithium grease with an advanced additive package for superior lubrication  
 Multi-purpose grease  
 Size: 300g aerosol



## 2085

### Zinc IT

Size: 350g aerosol



## 6006

### Marine 66

Multi-purpose oil designed to prevent damage due to water and salt atmosphere in marine engines and boating equipment  
 Thin film lubricates moving parts for smooth action and protects metals from corrosion caused by humidity and salt air for extended periods  
 Breaks through rust and corrosion, loosens rusted parts and keeps them free, displaces moisture out of ignition systems to help start wet engines  
 Is safe for all metals and alloys and on most painted surfaces, coatings, plastics and rubbers



## 3150

### Lanoshield

Unique high quality, natural, non-evaporative lanolin formula with superior lubrication and corrosion protection properties  
 Is known for its ability to combine the power of long term protection, penetration, resistance to mineral acids – salt – sulphur compounds and moisture without harming metal, plastics, paints, fibreglass, rubber or neoprene seals  
 For marine, agricultural and engineering use  
 For electrical use to protect PCB's, switch gear, inhibit oxidisation and salt crystallisation and corrosive atmospheres



## 3070

### Glass Cleaner

CRC Glass Cleaner's professional formula quickly and easily removes tough dirt and grime including grease, finger prints, bugs and smoke haze  
 It leaves glass sparkling and free from streaks and smears, professional formula  
 Sparkling streak-free finish for all glass surfaces and cleaner contains no CFC's  
 Prevents misting when used on a regular basis, anti-static properties to keep surfaces dust-free  
 Size: 500g aerosol



## 2016

### CO Contact Cleaner

Safe for use on most plastics  
 Quickly penetrates into hard-to-reach areas  
 Rapid and complete evaporation - leaves no residue, no rinsing or wiping required  
 Low in toxicity, high purity formula, chemically stable, inert, non-conductive, non-corrosive, non-staining  
 Contains no lubricants, silicones or oils  
 Size: 350g aerosol



## 2017

### NF Contact Cleaner

Chemically stable with no flashpoint, non-conductive & noncorrosive, non flammable  
 Recommended for cleaning relays, switches, circuit breakers, alarm and signal systems, printed circuits  
 CO Contact Cleaner is an inert plastic safe, non-staining cleaning solvent, with rapid evaporation  
 NF Contact Cleaner is a precision cleaning solvent  
 Size: 400g aerosol



## 2019

### Electrical Parts Cleaner

Recommended for the effective removal of grease, oil, corrosion and sludge from air tools, mechanical brakes, clutches, chains, wire ropes, motors, dies, molds, parts, bearings, generators and compressors  
 Size: 400g aerosol



## 5013

### Automotive Electronic Cleaner

CRC Automotive Electronic Cleaner is a state of the art cleaner specially formulated for use on today's hi-tech electronic and computerised vehicles  
 Size: 350g aerosol



## 2018

### Lectra Clean

Scientifically formulated degreaser that effectively removes grease, oil, wax, dirt and other contaminants from motors, parts and other electrical/mechanical equipment  
 Size: 400g aerosol





## 2031 Lectra Shield

Lectra Shield is a long term indoor/outdoor corrosion inhibitor  
It displaces moisture and provides a transparent, amber waxy film for heavy protection of parts, equipment and machinery  
Size: 300g aerosol



## 5014 Mass Air Flow Sensor Cleaner

Cleans & protects MAF sensors - will not damage MAF sensors or housing (unlike other chemicals)  
Plastic safe & residue free - evaporates in seconds, improves air/fuel ratio  
Increases km/litre - improves fuel economy, increases/restores horsepower - gains 4-10 horsepower  
Reduces rough idle, decreases hesitation & pinging  
Size: 300g aerosol



## 2066 Air Brush Electronic Duster

Supplies a powerful burst of compressed pure propellant gas to safely remove dust and lint from all delicate precision equipment and hard-to-reach areas  
Ideal for offsite servicing when compressed air is not available  
Size: 300g aerosol



## 2049 Urethane Clear

Excellent adhering one-component polyurethane coatings  
Its abrasive resistant insulation acts as a protective film for electrical and electronic applications  
Recommended uses: Protecting components from condensation and moisture, protecting printed circuit boards, coating terminal strips, screw connections and switch boxes that are exposed to atmospheric conditions  
Size: 300g aerosol



## 2044 Urethane Red

Excellent adhering one-component polyurethane coatings  
Its abrasive resistant insulation acts as a protective film for electrical and electronic applications  
Recommended uses: Protecting components from condensation and moisture, protecting printed circuit boards, coating terminal strips, screw connections and switch boxes that are exposed to atmospheric conditions  
Size: 300g aerosol



## ACX6210 Spray Varnish - Red

## Fire Extinguishers - Dry Chemical ABE

For use on class A, B, C & E fires (solid materials, flammable liquids & electrical equipment)

Part No.	Size
FB10ABE	1kg
FB15ABE	1.5kg
FB20ABE	2.kg
FB25ABE	2.5kg
FB45ABE	4.5kg
FB90ABE	9kg



**FIRE  
BOX**

## FB10X10

Fire Blanket

1 x 1m



**FIRE  
BOX**

## Fire Extinguisher Bags

Part No.	Description
BAGPS	Suits dry chemical fire extinguishers 4.5kg and smaller
BAGP	Suits fire extinguishers 4.5kg and bigger



**FIRE  
BOX**

## FPX008BL

Fuel Pump 4.5 - 6psi

Fuel fitting: 1/8" - 27 NPTF

Designed to replace conventional (mechanical) pumps  
Greater reliability for longer life, faster starting in cold weather  
Vibration resistance

Suitable for all fuels including unleaded  
300mm minimum dry lift

Will require filter kit: FEP43175 5/16" outlet

**VOLTAGE**  
12V



**OEX**

## FPX036B

Fuel Pump 4 - 7psi

Universal electric fuel pump

Fuel fitting: 1/8" - 27NPTF

Self priming to eliminate vapour lock

Designed to replace conventional (mechanical) pumps

Fitting instructions included

Rated for diesel, petrol and blended alcohol fuels

300mm minimum dry lift

**VOLTAGE**  
12V



**OEX**





### FPX048

#### Fuel Pump 2 - 3.5psi

Install pump as close as possible to fuel tank, self priming to eliminate vapour lock, designed to replace conventional (mechanical) pumps

Greater reliability for longer life

Fitting instructions included

300mm minimum dry lift

Will require filter kit: FEP43175 5/16" outlet

**VOLTAGE**  
12V



### FPX010

#### Fuel Pump

Fuel fitting: 3/8" - 18 NPTF

Self priming to eliminate vapour lock

Anti-syphon pumps are essential for diesel priming which eliminates problems associated with re-priming a diesel engine

These pumps will not replace the main injection pump

**VOLTAGE**  
12V



### FPX028

#### Fuel Pump Dura-Lift

Dura-lift fuel pump

Self priming to 3m, 4 hour dry run, 80 micron filter

Reverse polarity protection

Self priming to eliminate vapour lock

Fitting instructions included

Rated for diesel, petrol and blended alcohol fuels

**VOLTAGE**  
12V



### FPX007

#### Fuel Pump 2.4 - 4.5psi

Solid state standard type fuel pump

Fuel fitting: 1/8" - 27NPTF

Designed to replace conventional (mechanical) pumps, greater reliability for longer life, faster starting in cold weather, vibration resistant, fitting instructions included

Rated for diesel, petrol and blended alcohol fuels, 300mm fuel lift, 300mm minimum dry lift

Will require filter kit: FEP43175 5/16" outlet, FPE43176 1/2" outlet or FPE43178 3/8" outlet

**VOLTAGE**  
12V



### FPX009

#### Fuel Pump

Fuel fitting: 1/8" - 27 NPTF

Designed to replace conventional (mechanical) pumps

Greater reliability for longer life, faster starting in cold weather, vibration resistance

Suitable for all fuels including unleaded

300mm minimum dry lift

Will require filter kit: FEP43175 5/16" outlet

**VOLTAGE**  
12V



### FPX013

#### Fuel Pump - Interrupter

Interrupter type high output fuel pump

Fuel fitting: 1/8" - 27NPTF

Can be installed in series or parallel configurations

Self priming to eliminate vapour lock

Fitting instructions included

Rated for diesel, petrol and blended alcohol fuels

1,100mm fuel lift

**VOLTAGE**  
12V

## 40106N

### Fuel Pump - Interrupter

Fuel fitting: 1/8" - 27 NPTF

Designed to replace conventional (mechanical) pumps

Greater reliability for longer life

Faster starting in cold weather

Vibration resistance

Suitable for all fuels including unleaded

 VOLTAGE  
12V



OEX

TOOLS & TAPE

## FPX044B

### Fuel Pump - Interrupter

Universal electric fuel pump

Engineered without bearings, electrical contacts or diaphragms to minimise fatigue and wear

Designed for use on all low and high pressure carburettor equipped vehicles, generators, agricultural, gasoline and diesel engines. Including marine and construction

State of the art sealed electronics

Reverse polarity protection

 VOLTAGE  
12V



OEX

## FPX082



### 3 Port Fuel Pump Valve

Fits 3/8" interior diameter hose

For use where an auxiliary fuel tank has been fitted and where no return lines are required

Vibration resistant

Fitting instructions included

 VOLTAGE  
12V  
 AMPS  
0.6A



OEX

## 0580254044

### Electric Fuel Pump

External pump rated for diesel, petrol & blended alcohol fuels

Inlet: M18x1.5, outlet: M12x1.5

Length: 196mm

Electrical connection: M5/M6

Delivers maximum performance fuel injection

Replacement pump designed to match old pumps dimensions and appearance ensuring a precise fit, virtually eliminates fuel pulsation for improved drivability and longer life

Precision, spin-balanced, polymer-encased armature reduces noise

 VOLTAGE  
12V



 BOSCH  
Starters and Alternators

## 7.21440.51.0

### Universal Electric Fuel Pump 3.9 - 5.5psi

Self priming to 500mm

Self priming to eliminate vapour lock

Designed to replace conventional (mechanical) pumps

Fitting instructions included

Rated for diesel, petrol and blended alcohol fuels

 VOLTAGE  
12V



 PIERBURG  
Fuel Pumps

## 7.21440.53.0

### Universal Electric Fuel Pump 6.3 - 8.1psi

Can be used in 6V applications (pressure & flow are reduced by half)

Designed to replace conventional (mechanical) pumps

Fitting instructions included

Rated for diesel, petrol & blended alcohol fuels

Fitting diameter: 8mm OD

500mm fuel lift

 VOLTAGE  
12V



 PIERBURG  
Fuel Pumps



## 7.21287.53.0

### Fuel Pump

Install pump as close as possible to fuel tank  
 Self priming to eliminate vapour lock  
 Greater reliability for longer life  
 Fitting instructions included

**VOLTAGE**  
12V

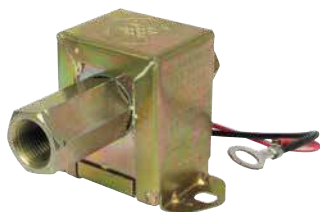


## 7.21440.63.0

### Universal Electric Fuel Pump 6.3 - 8.3psi

Self priming to 500mm  
 Self priming to eliminate vapour lock  
 Designed to replace conventional (mechanical) pumps  
 Fitting instructions included  
 Rated for diesel, petrol and blended alcohol fuels

**VOLTAGE**  
24V



## FPX011

### Fuel Pump

24V electric fuel pump, new universal 105 L/hr 6psi  
 Solid state fuel pump, universal fitment

Compatible with gasoline, diesel, biodiesel, blended alcohol fuels and fuel additives, solid state reliability and durability, no electrical contacts, no bearings, no diaphragms to wear out or fatigue

Lasts 4-5 times longer than most other electric fuel pumps

Eliminates vapour lock when properly installed on most vehicles, a constant, smooth, dependable supply of fuel under pressure, 300mm minimum dry lift

**VOLTAGE**  
24V



## FPX012

### Fuel Pump - Interrupter

Fuel fitting: 1/8" - 27 NPTF

Install pump as close as possible to fuel tank

Can be installed in series or parallel configurations

Self priming to eliminate vapour lock

Fitting instructions included

**VOLTAGE**  
24V



## FEP43175

### Fuel Filter to suit Posi-Flo Fuel Pump

T/size: 1/8-27"

Hose size: 5/16"



## FPX016

### Brass Nipple

1/8" - 27NPTF

To suit 8mm ID hose

## 31-SEIVCK640

Self Emptying Industrial Vacuum Cleaner Kit

 VOLTAGE  
24V



 GENR8

## 31-SEIV30/A

Hose

To suit SEIV vacuum  
32mm x 4m



 GENR8

## 31-SEIV26

Banded Hose Cuff

To suit SEIV vacuum  
32mm



 GENR8

## 31-SEIV15

Denim Cone Filter

To suit SEIV vacuum



 GENR8

## 31-SEIV22

Crevice Tool

To suit SEIV vacuum  
40mm



 GENR8

FLUKE®



## FLUKE-233

### Multimeter Remote Digital Display Head

Measure up to 1000V AC and DC  
 Measure up to 10A (20A for 30 seconds)  
 10,000  $\mu$ F capacitance range  
 Frequency to 50 kHz  
 Built in thermometer to take temperature readings  
 Resistance, continuity and diode test  
 Min/Max and average recording  
 Wireless technology allows the display to be carried up to 30ft away from the point of measurement.  
 The removable magnetic display can be mounted where it is easily seen  
 Low-power 802.15.4 wireless technology does not interfere with measurement accuracy  
 Use as a conventional multi-meter when the display is connected

FLUKE®



## FLUKE-117

### Multimeter Current & Backlight Digital Display

True RMS for precise measurement with 4 digits  
 Non-contact voltage detection  
 Display hold  
 Min/max recording  
 Volt, temperature, resistance, current  
 Auto volt for automatic AC/DC selection  
 Audible continuity/diode test, 10A continuous, 20A for up to 30 seconds  
 Cat III 600V safety rating

FLUKE®



## FLUKE-179

### Multimeter with Thermometer & Backlight Digital Display

Wide 1000V measurement range with true RMS for precise measurement  
 Capacitance, resistance, continuity & frequency, VDC, VAC, ADC, AAC, resistance, range and resolution  
 Frequency, duty cycle & capacitance  
 Audible continuity/diode test  
 Min/max to record signal fluctuations  
 10A continuous, 20A for up to 30 seconds  
 CAT III 1000V, CAT IV 600V

FLUKE®



## 5XP-A

### Amprobe Digital Multimeter

27 ranges/10 functions  
 Large digit 2000 count display  
 750VAC/1000VDC, AC/DC current  
 Resistance, continuity  
 Battery test with load, min/max & data hold  
 Auto power off  
 Triple safety rated; CAT I 1000V, CAT II 600V, CAT III 300V

FLUKE®



## 35XP-A

### Digital Auto Multimeter

4000 count auto ranging display  
 Temperature to 1000°C/1832°F  
 750VAC/1000VDC, AC/DC current  
 Resistance, continuity, frequency, capacitance  
 Data hold  
 Triple safety rated; CAT I 1000V, CAT II 600V, CAT III 300V



## FLK-V3001FC

### FC Wireless DC Voltage Module

Measures up to 1000V DC  
 Data logging function, saving up to 65,000  
 Magnetic hanging strap  
 TI222 test leads, AC220 alligator clips  
 Adjustable interval rate via pc from 1 sec - 1 hr.  
 Optional PC adaptor, PC3000  
 2x AA alkaline batteries, battery life: 400 hours minimum  
 IP rating: IP42, dimensions: 160 x 66 x 38mm, weight : 0.255Kg



## FLUKE-87-5

### Digital Multimeter

True RMS for precise measurement with 4 digits  
 Frequency, duty cycle & capacitance  
 Audible continuity/diode test  
 Min/max to record signal fluctuations  
 Backlit large display  
 VDC, VAC, ADC, AAC, resistance, capacitance readings  
 10A continuous, 20A for up to 30 seconds  
 CAT III 1000V



## FLUKE-88-5/A KIT

### Multimeter Kit with Carry Case

Fluke-88V automotive multimeter and kit  
 True RMS for precise measurement with 4 1/2 digits  
 Measures voltage, current, continuity and resistance, diode test, pulse with measurements  
 Large backlit digital display, display hold, min, max, average, recording, 20A 30 seconds momentary, 10A continuous  
 Magnetic hanging strap  
 Built in thermometer for temperature  
 RPM measurements with inductive pickup included  
 Auto and manual ranging for maximum flexibility  
 Input alert provides audible warning for wrong use of jacks

Kit includes:

- |                             |                                 |
|-----------------------------|---------------------------------|
| 1x TL224 leads              | 1x 80BK-A thermocouple probe    |
| 1x AC285 alligator clips    | 1x C800 carry case plus holster |
| 1x TP220 test probes        | 2x Automotive back probe pins   |
| 1x RPM 80 inductive pick up | 1x Insulation piercing probe    |
| 1x TPACK magnetic hanger    |                                 |



## I410

### 400A AC/DC Current Clamp

Measures up to 400A  
 Output cable length: 1.6m  
 Continuous current range 1A - 40A AC, DC  
 Lowest current 0.5A  
 Cat III 600V



## YFX3120

### Digital Multimeter

3 1/2" digit display  
 Polarity indication (automatic polarity "-" display for negative input)  
 Overload protection (LCD will show a "1" or "-1" in the left highest digit)  
 Auto power off 30 minutes when idle  
 AC/DC current 10A  
 10m Ohm impedance  
 Diode, transistor, AC/DC voltage and resistance functions





## DT830B

### Digital Multimeter Pocket Size

Entry level

Voltage DCV: 200mV, 2000mV, 20V, 200V and 1,000V

Voltage AC: 200V and 750V

45-45Hz



## Carry Cases for Fluke Multimeters

Part No.	Description	Pack Qty
C125	Zippered carrying case for DMMs or digital thermometers. Detachable pouch for carrying test leads	1
C100	Tough polypropylene case holds any Fluke DMM or digital thermometer and most accessories	1



## Test Lead Sets for Fluke Multimeters

Part No.	Description
TL81A	Deluxe Electronic Test Lead Set
TL71	Premium Test Lead Set
TL220	Suregrip Industrial Test Lead Set
TL28A	Heavy Duty Automotive Test Lead Set



## Clips to Suit Fluke Multimeters

Part No.	Description
80T-150UA	Universal Temperature Probe
AC285	Suregrip Alligator Clips 19mm
AC175	Alligator Clip Set 8mm For TI71/7
AC220	Suregrip Alligator Clips 9.5mm
AC89	Insulation Piercing Clip



## Fuses to Suit Fluke Multimeters

Part No.	Description	Pack Qty
803293	11A 1000V	1
943121	440mA 1000V	1
892583	15A 600V	1
871173	630mA 250V	1
871207	1A 600V	1



# Making tracks for others to follow.

Projecta's tried and tested DC/Solar Dual Battery Charger range has revolutionised the world of Dual Battery Chargers, leaving others to play catch up.

Utilising state-of-the-art componentry, they've always handled both smart and conventional alternators with simultaneous solar and DC charging.

**MODELS INCLUDE:**

**IDC25** | 12V 25A   **IDC45** | 12V 45A   **IDC25L** | 12V 25A LITHIUM



Engineered  
in Australia for  
1000s of Aussie  
adventurers



**2**  
YEAR  
WARRANTY

## Projecta Intelli-Charge DC/Solar Dual Battery Chargers

- Easy installation & setup in vehicle or under the bonnet
- Class leading operation up to 80°C
- IP67 rating – dust & water resistant
- Shock & vibration proof
- A host of safeguard features
- IDC25 & IDC45 support Gel, AGM, Wet and Calcium batteries whilst the IDC25L supports Lithium batteries
- Multi-stage charging for a safe, comprehensive charge

For more info visit [www.projecta.com.au](http://www.projecta.com.au)

**PROJECTA**  
more switched on



Part No.	Page
<b>0</b>	
05-02	312
05550	18
05650	18
06000	18
090520P100	286
090520P150	286
091020T1204	286
091020T1206	286
091020T1208	286
091020T1210	286
091020T1212	286
091020T1216	286
0915EL150K1	287
0915L150	287
0925117PH	117
0925117PH	287
0925518H12	117
0925518H12	287
0940RP2307	124
0960SAH	254
09EGS21P100	287
09EGS21T250	287
0460-20412141X50	182
0462-20312141X50	182
<b>1</b>	
101.264	267
101.265	267
101.266	267
101.267	267
101.27	267
101.271	267
151.910	280
150035020	280
150077004	278
150077005	283
150077010	278
150077011	278
150077020	280
150077026	280
150077027	280
180035002	283
180035004	283
180077020	283
180077021	283
180077022	283
180077023	283
190037002	278

Part No.	Page
190077006	278
190077007	278
180.059	287
10-20001	254
10-20002	254
10-99044	258
12010300-100	187
12010717-10	186
12010717-100	186
12010973-10	186
12010973-100	186
12010974-10	186
12010974-100	186
12010975-10	186
12010996-10	186
12010996-100	186
12015323-100	187
12015791-10	186
12015791-100	186
12015792-10	186
12015792-100	186
12015793-10	186
12015793-100	186
12015797-10	186
12015797-100	186
12015799-10	186
12063-01-BX	222
12063BX	223
12092-BX	222
12124580-100	187
12124581-100	187
12124582-100	187
12124587-100	187
15-326S	214
15-336S	214
156A	314
16-720S	223
16-730S	222
<b>2</b>	
2005	319
2016	321
2017	321
2018	321
2019	321
2031	322
2044	322
2049	322
2066	322

Part No.	Page
2085	320
2716	264
2717	264
2718	264
2719	264
2720	264
220.003	288
220.004	288
220.005	288
230.001	291
230.004	291
230.005	292
230.006	291
230.007	292
230.031	288
230.032	288
230.035	288
230.036	288
230.037	291
230.038	292
230.045	290
230.046	290
230.051	290
230.079	290
230.080	290
231.081	289
231.082	289
231.083	289
231.084	289
231.085	289
231.086	289
231.087	289
231.088	289
231.089	289
231.102	289
231.106	289
2611200	307
2010-P	19
204ESILVER	315
224011000022G	288
224011000040G	288
224011000045G	288
224011000050G	288
224011000065G	288
224011000075G	288
22681015001C	288
230.114NC	290
230.115NO	290



Part No.	Page
232.011/017/041	290
232011005004D	290
232011005017D	290
24008BX	123
24037BX	122
24059BX	119
24063-08BX	121
24063BX	121
24080BX	122
24143BX	120
24144BX	121
24200BX	120
24401BX	121
24402BX	122
24450BX	123
24505-01BL	106
24505-01RBL	106
24505-01YBL	106
24512-10BX	122
24612-10BX	119
24812BX	120
24-AC1.6	313
24-ALV3000	318
24-BULL	311
24-BULLTIP	311
24-RC1.6	312
24-RC3.2	312
2716-24V	264
2717-24V	264
2718-24V	264
2719-24V	264
2720-24V	264
27X MF	57
2903.0010.00	303
<b>3</b>	
34	58
3013	320
3040	319
3055	319
3070	321
3097	320
3150	320
3200	320
301.105	279
310.159	280
320.002	291
320.004	291
320.006	291

Part No.	Page
320.020	291
320.021	291
320.022	291
320.050	287
320.051	287
320.052	287
320.053	287
320.054	287
320.055	287
320.056	287
320.058	287
320.092	291
320.093	291
330.102C	289
330.104C	289
330.1100C	289
330.110C	289
330.115C	289
330.160C	289
330.104	289
330.110	289
330.115	289
330.135	289
330.160	289
331.534	279
331.535	279
331.600	279
331.601	279
331.602	279
360.001	288
360.002	288
360.003	288
360.004	288
360.005	288
360.008	288
360.013	288
360.014	288
360.016	288
360.017	288
360.019	288
360.050	288
360.086	288
370.001	278
30055-10BL	143
30055-15BL	143
30055-20BL	143
30055-20BX/10	143
30055-25BL	143

Part No.	Page
30055-25BX/10	143
30055-30BL	143
30055-30BX/10	143
30055-40BL	143
30055-40BX/10	143
30055-50BL	143
301180	307
30409-10BL	144
30409-15BL	144
30409-20BL	144
30409-20BX/10	144
30409-25BL	144
30409-30BL	144
31-SEIV15	327
31-SEIV22	327
31-SEIV26	327
31-SEIV30/A	327
31-SEIVCK640	327
323.803/001/032	290
323803001002D	290
323803001006D	290
323803001019D	290
323805001001K	291
323805001002C	291
323805001004K	291
323805001005N	291
323805003002N	291
325805003001C	291
333035011G	282
34R	58
35XP-A	328
301010009	279
301010010	279
301010011	279
301010015	279
301030001	279
301030002	279
301040001	279
301040002	279
310010014	282
310010015	282
310020001	282
310030002	282
310030003	282
310030004	282
310040002	282
310040003	282
310040004	282



Part No.	Page
<b>3 (continued)</b>	
331032001	279
331032004	279
332002156	115
332002256	115
332002258	115
332010004	283
332020001	283
332030001	283
332040001	283
333015031	281
333015032	281
333015033	281
333015037	281
333015038	281
333035010	282
333035013	282
333035025	282
333045002	281
333055002	282
340302111	94
341002003	107
341003004	107
350010016	280
350010017	280
350010021	280
350030005	280
350030016	280
350030017	280
350040016	280
350040017	280
360081029012K	289
360081030015C	289
360081030049K	289
360081032001C	289
360081032014C	289
360081038003C	289
362081001001K	289
362081001002K	289
362081003002K	289
323803001025	290
331810012004	279
331810012007	279
<b>4</b>	
40-006	41
40-058	43
40-059	43
40-068	46

Part No.	Page
40106N	325
40-149	48
40-164	40
40-166	40
40-187	46
40-209	48
40-230	45
40-232	44
40-289	22, 45
40-315	22, 45
41	52
41-252-180S	226
43	52
4D-N150Z	55
410.007	286
430.102	290
430.104	290
430.110	290
430.1100	290
430.115	290
430.135	290
430.160	290
4650	316
49433	317
421300	223
437015025	281
437015028	281
437015029	281
437025002	281
437035016	281
437055011	281
<b>5</b>	
5005	319
5013	321
5014	322
5035	319
5037	320
5051	318
5052	318
5074	319
5089	318
5097	318
5098	318
5109	316
5501	318
56513	309
511200	223
558780	229

Part No.	Page
559680	224
584300	224
584400	224
594600	224
594670	224
50-85-325	19
55014BL	76
55016BL	79
55017BL	77
55018BL	78
55019BL	80
55020BL	78
55021-07BL	81
55021BL	81
55049-01STBL	79
55054BL	82
55064BL	80
55065-02BL	81
55065-03BL	82
5582-10BL	78
5582BL	77
5584BL	78
5586BL	79
5592BL	80
55D23LMF	52
55D23RMF	52
56-260	42
56-261	42
56-263	43
56-304	43
56-329	42
56-380	42
56-382	42
56-384	42
56392BL	313
56-573	43
56-604	46
56-867	46
56-870	43
56-90029BLR	76
56-90124BLR	79
56-90129BLR	81
56-925	48
570-HFS33/D	114
57EFMF	52
57MF	52
58027-01BL	84
58027-03BL	84



Part No.	Page
58027-07BL	84
58027-11BL	84
58328-04BL	87
58328-100BL	87
58328-11BL	87
58328-13BL	87
58328-55BL	87
58328-58BL	87
58328-62BL	87
58EBMF	52
58MF	52
5XP-A	328
580254044	325
<b>6</b>	
6006	320
65-46007BLR	63
65-90060	209
65-90062	209
65-99992BLR	204
67 MF	51
67EF MF	51
68 MF	51
<b>7</b>	
7.21287.53.0	326
7.21440.51.0	325
7.21440.53.0	325
7.21440.63.0	326
74-71200BLR	61
74-71400BLR	61
75228-03BX	96
756-50BLA	314
75903BX	104
75904BX	105
75907BX	105
75910BX	105
75912BX	105
75920-01BX	105
75920BX	105
75D23L MF	51
75D23R MF	51
7894	19
7001160	307
7401180	307
<b>8</b>	
84MF	55
86	55
86ZMF	55
86ZTMF	55

Part No.	Page
82094	223
82096	228
82098	229
82193	222
82194	222
82196	228
82502	226
82506	226
82529	226
82560	230
83293	330
80T-150UA	330
81255BL	82
81264BL	83
82022BL	218
82023BL	216
82025/20	218
82032BL	218
82033BL	216
82042BL	212
82043BL	212
82044BL	213
82045BL	213
82048BL	211
82052BL	221
82053BL	215
82054BL	221
82062BL	221
82063BL	215
82072BL	214
82073BL	214
82074BL	214
82121BL	217
82122BL	216
82131BL	217
82132BL	216
82141BL	211
82161BL	220
82162BL	215
82171BL	213
82181BL	219
82182BL	215
82185BL	219
82215BL	210
82225BL	210
82230BL	210
82235BL	210
82240BL	209

Part No.	Page
82245BL	210
82265BL	209
82275BL	210
82305BL	225
871173	330
871207	330
89T	56
8DMF1200	55
8D-N200Z	55
892583	330
8099100	106
8801250	307
<b>9</b>	
94 SQUAT	55
9030	18
9251BL	95
9579BL	98
90160	18
90195	19
90885	18
90030BL	94
90047BX	95
9060BX	95
91113BL	95
943121	330
95612BL	97
9511165	307
95060-01BX	97
934-618-001	190
934-618-002	190
934-618-003	190
<b>A</b>	
A2C1755480001	290
A2C3832770030	283
A2C3832780030	283
A2C3832790030	281
A2C3832840030	281
A2C3832940030	281
A2C3833000030	281
A2C3833050030	280
A2C3833080030	278
A2C3833170030	280
A2C3833380030	282
A2C3833530030	282
AC89	330
AC175	330
AC220	330
AC285	330

Part No.	Page
<b>A (continued)</b>	
ACX0002	65
ACX0006	65
ACX0006N	65
ACX0006P	65
ACX0010	67
ACX0014	66
ACX0017	65
ACX0019	66
ACX0020	66
ACX0021	66
ACX0024	65
ACX0025	64
ACX0026	64
ACX0027	64
ACX0028	64
ACX0029	66
ACX0030	66
ACX0032	190
ACX0033	191
ACX0034	191
ACX0037	67
ACX0038	64
ACX0039	64
ACX0075	316
ACX0076	316
ACX0077	316
ACX0100	68
ACX0100FE	68
ACX0101	68
ACX0101FE	68
ACX0102	68
ACX0102FE	68
ACX0103	68
ACX0103FE	68
ACX0104	68
ACX0104FE	68
ACX0105	68
ACX0105FE	68
ACX0106	68
ACX0106FE	68
ACX0107	68
ACX0107FE	68
ACX0108	68
ACX0108FE	68
ACX0109	68
ACX0109FE	68
ACX0110	68

Part No.	Page
ACX0110FE	68
ACX0111	68
ACX0111FE	68
ACX0112	68
ACX0112FE	68
ACX0113	68
ACX0113FE	68
ACX0114	68
ACX0114FE	68
ACX0115	68
ACX0115FE	68
ACX0116	68
ACX0116FE	68
ACX0117	69
ACX0117FE	69
ACX0118	69
ACX0118FE	69
ACX0119	69
ACX0119FE	69
ACX0120FE	69
ACX0121	69
ACX0121FE	69
ACX0122	69
ACX0123	69
ACX0124	69
ACX0125	69
ACX0126	69
ACX0137FE	69
ACX0140	69
ACX0141	69
ACX0144	69
ACX0147	69
ACX0201	67
ACX0300BL	67
ACX0324	154
ACX0325	154
ACX0326	154
ACX0327	155
ACX0329	155
ACX0330	155
ACX0331	155
ACX0332	155
ACX0335	155
ACX0341	155
ACX0343	155
ACX0345	155
ACX0349	61
ACX0353	61

Part No.	Page
ACX0354	155
ACX0356	155
ACX0357	155
ACX0359	155
ACX0360	155
ACX0361	155
ACX0362	156
ACX0363	156
ACX0364	156
ACX0496	62
ACX0497	62
ACX0498	61
ACX0499	62
ACX0502	62
ACX05209	141
ACX05210	141
ACX05215	142
ACX05216	142
ACX0556	153
ACX0556/100	153
ACX0556/500	153
ACX0557	153
ACX0557/100	153
ACX0558	153
ACX0558/100	153
ACX0558/500	153
ACX0559	153
ACX0559/100	153
ACX0560	153
ACX0560/100	153
ACX0561	153
ACX0561/100	153
ACX0562	153
ACX0562/100	153
ACX0563	153
ACX0563/100	153
ACX0564	153
ACX0564/100	153
ACX0565	153
ACX0565/100	153
ACX0566	153
ACX0566/100	153
ACX0567	153
ACX0568	153
ACX0569	153
ACX0570	153
ACX0571	153
ACX0572	153



Part No.	Page
ACX0573	153
ACX0574	153
ACX0575	153
ACX0576	153
ACX0577	153
ACX0578	153
ACX0579	153
ACX0580	153
ACX0581	153
ACX0582	153
ACX0583	153
ACX0611/500	154
ACX0612/500	155
ACX0613/500	155
ACX0614/500	154
ACX0615/500	154
ACX0616/500	155
ACX0617/500	155
ACX0618/500	155
ACX0619/500	155
ACX0620/500	155
ACX0621/500	155
ACX0622/500	155
ACX0623/500	155
ACX0624/500	155
ACX0640	63
ACX0641	63
ACX0642	63
ACX0643	63
ACX0646	63
ACX0647	63
ACX0648BL	63
ACX0649BI	63
ACX0654	63
ACX0655	63
ACX0656	62
ACX0658	62
ACX0660	60
ACX0661	60
ACX0662	61
ACX0663	61
ACX0670	71
ACX0675	60
ACX0676	60
ACX0676HT	60
ACX0678	60
ACX0678HT	60
ACX0693	154

Part No.	Page
ACX0693L	154
ACX0694	154
ACX0694L	154
ACX0695	154
ACX0695L	154
ACX0698	154
ACX0698L	154
ACX0699	154
ACX0700	154
ACX0700/500	154
ACX0700L	154
ACX0701	154
ACX0701/500	154
ACX0701L	154
ACX0702	154
ACX0702/500	154
ACX0702L	154
ACX0703	154
ACX0703/500	154
ACX0703L	154
ACX0704	154
ACX0704/500	154
ACX0704L	154
ACX0705	154
ACX0705/500	154
ACX0705L	154
ACX0706	154
ACX0706/500	154
ACX0706L	154
ACX0707	154
ACX0707/500	154
ACX0707L	154
ACX0708	154
ACX0708/500	154
ACX0708L	154
ACX0709	154
ACX0709/500	154
ACX0709L	154
ACX0710	154
ACX0710/500	154
ACX0710L	154
ACX0711	154
ACX0711L	154
ACX0712	155
ACX0712/500	155
ACX0712L	155
ACX0713/500	155
ACX07130	155

Part No.	Page
ACX0713L	155
ACX0714	154
ACX0714L	154
ACX0715	155
ACX0715/500	155
ACX0715L	155
ACX0716	155
ACX0716/500	155
ACX0716L	155
ACX0717	155
ACX0717L	155
ACX0718	154
ACX0718/500	154
ACX0718L	154
ACX0719	154
ACX0719L	154
ACX0720	155
ACX0720L	155
ACX0721	155
ACX0721/500	155
ACX0721L	155
ACX0722	155
ACX0722L	155
ACX0723	156
ACX0723/500	156
ACX0723L	156
ACX0724	156
ACX0724/500	156
ACX0724L	156
ACX0725	156
ACX0725/500	156
ACX0725L	156
ACX0726	156
ACX0726/500	156
ACX0726L	156
ACX0727	156
ACX0727/500	156
ACX0727L	156
ACX0728	156
ACX0728/500	156
ACX0728L	156
ACX0729	156
ACX0729/500	156
ACX0729L	156
ACX0730	156
ACX0730/500	156
ACX0730L	156
ACX0731	156

Part No.	Page
<b>A (continued)</b>	
ACX0731/500	156
ACX0731L	156
ACX0732	156
ACX0732/500	156
ACX0732L	156
ACX0733	156
ACX0733/500	156
ACX0733L	156
ACX0734	156
ACX0734L	156
ACX0735	156
ACX0735L	156
ACX0736	156
ACX0736L	156
ACX0737	156
ACX0738	156
ACX0738L	156
ACX0739	156
ACX0739L	156
ACX0740	156
ACX0740L	156
ACX0741	156
ACX0742	156
ACX0742L	156
ACX0743	156
ACX0743L	156
ACX0744	156
ACX0745	156
ACX0746	156
ACX0747	156
ACX0748	156
ACX0748L	156
ACX0749	156
ACX0749L	156
ACX0750	157
ACX0750/500	157
ACX0750L	157
ACX0751	157
ACX0751L	157
ACX0752	157
ACX0752/500	157
ACX0752L	157
ACX0753	157
ACX0753L	157
ACX0754	157
ACX0754L	157
ACX0755	157

Part No.	Page
ACX0755L	157
ACX0756	157
ACX0756L	157
ACX0757	157
ACX0757L	157
ACX0758	157
ACX0758L	157
ACX0759	157
ACX0759L	157
ACX0760	157
ACX0760L	157
ACX0761	157
ACX0761/500	157
ACX0761L	157
ACX0762	157
ACX0762L	157
ACX0763	157
ACX0763/500	157
ACX0763L	157
ACX0764	157
ACX0764L	157
ACX0765	157
ACX0765L	157
ACX0766	157
ACX0766L	157
ACX0767	157
ACX0767L	157
ACX0768	157
ACX0768L	157
ACX0769	157
ACX0769L	157
ACX0770	157
ACX0770L	157
ACX0771	157
ACX0771/500	157
ACX0771L	157
ACX0772	158
ACX0772L	158
ACX0773	158
ACX0773L	158
ACX0774	158
ACX0774L	158
ACX0775	158
ACX0780/500	154
ACX0781/500	155
ACX0782/500	155
ACX0786/500	156
ACX0787/500	156

Part No.	Page
ACX0788/500	156
ACX0799	159
ACX0799L	159
ACX0800	159
ACX0801	159
ACX0802	158
ACX0802/500	158
ACX0802L	158
ACX0803	158
ACX0803L	158
ACX0804	159
ACX0804L	159
ACX0806	159
ACX0806/500	159
ACX0806L	159
ACX0807	159
ACX0807L	159
ACX0808	160
ACX0808L	160
ACX0809	160
ACX0809L	160
ACX0810	160
ACX0810L	160
ACX0811	160
ACX0811L	160
ACX0811T/100	160
ACX0812	161
ACX0812L	161
ACX0813	161
ACX0813L	161
ACX0814	161
ACX0814L	161
ACX0815	161
ACX0815L	161
ACX0816	162
ACX0816L	162
ACX0817	162
ACX0817L	162
ACX0817T	162
ACX0818	162
ACX0818/200	162
ACX0818L	162
ACX0819	161
ACX0819L	161
ACX0820	161
ACX0820/500	161
ACX0820L	161
ACX0821	162





Part No.	Page
ACX0821L	162
ACX0822	160
ACX0823	160
ACX0824	160
ACX0826	163
ACX0826L	163
ACX0827	163
ACX0828	163
ACX0829	163
ACX0830	158
ACX0830L	158
ACX0835	160
ACX0835L	160
ACX0836/100	163
ACX0836/30	163
ACX0840	159
ACX0840L	159
ACX0842	159
ACX0842L	159
ACX0843	166
ACX0843/30	166
ACX0852	165
ACX0853	165
ACX0860	155
ACX0861	155
ACX0886	168
ACX0888	168
ACX0889	168
ACX0891	168
ACX0893	168
ACX0900	164
ACX0900L	164
ACX0901	164
ACX0901L	164
ACX0902	164
ACX0902L	164
ACX0903	164
ACX0903L	164
ACX0904	164
ACX0905	164
ACX0906	164
ACX0907	164
ACX0908	164
ACX0908L	164
ACX0909	164
ACX0909L	164
ACX0910	164
ACX0911	164

Part No.	Page
ACX0912	165
ACX0913	165
ACX0914	165
ACX0915	165
ACX0916	165
ACX0917	165
ACX0918	165
ACX0919	165
ACX0919R	165
ACX0920	165
ACX0920R	165
ACX0921	165
ACX0921/30	165
ACX0922	165
ACX0923	165
ACX0925	166
ACX0926	166
ACX0927	166
ACX0927/50	166
ACX0928	166
ACX0928/100	166
ACX0934	165
ACX0935	166
ACX0937	166
ACX0938	166
ACX0939	166
ACX0940	166
ACX0942	166
ACX0943	166
ACX0944	166
ACX0945	166
ACX0948	166
ACX0949	169
ACX0950	167
ACX0951	167
ACX0952	167
ACX0953	167
ACX0954	167
ACX0955	167
ACX0956	167
ACX0957	167
ACX0958	167
ACX0959	167
ACX0960	167
ACX0961	167
ACX0962	168
ACX0963	168
ACX0964	168

Part No.	Page
ACX0965	168
ACX0966	169
ACX0966L	169
ACX0967	169
ACX0967L	169
ACX0968	169
ACX0969	169
ACX0970	169
ACX0970L	169
ACX0971	167
ACX0972	167
ACX0973	167
ACX0974	167
ACX0975	167
ACX0976	167
ACX0977	167
ACX0978	167
ACX0980	162
ACX0980L	162
ACX0981	167
ACX0986	168
ACX0987	168
ACX0988	168
ACX0989	168
ACX0990	168
ACX0991	168
ACX0992	168
ACX0993	168
ACX0994	168
ACX0995	168
ACX0996	168
ACX0997	168
ACX0998	168
ACX0999	170
ACX1000	170
ACX1001	170
ACX1003	170
ACX1004	170
ACX1005	170
ACX1006	170
ACX1007	170
ACX1008	170
ACX1009	170
ACX1010	170
ACX1012	170
ACX1014	170
ACX1015	170
ACX1016	170

Part No.	Page
<b>A (continued)</b>	
ACX1017	170
ACX1019	170
ACX1020	170
ACX1021	170
ACX1023	171
ACX1024	171
ACX1025	171
ACX1026	171
ACX1027	171
ACX1028	171
ACX1030	171
ACX1031	171
ACX1034	171
ACX1035	171
ACX1036	171
ACX1038	171
ACX1042	171
ACX1049	171
ACX1050	171
ACX1051	171
ACX1052	171
ACX1053	171
ACX1059	172
ACX1060	172
ACX1061	172
ACX1062	172
ACX1063	172
ACX1064	172
ACX1065	172
ACX1066	172
ACX1067	172
ACX1068	172
ACX1069	172
ACX1070	172
ACX1070R	170
ACX1071	172
ACX1074	171
ACX1076	172
ACX1077	172
ACX1078	172
ACX1079	172
ACX1080	172
ACX1081	172
ACX1082	172
ACX1083	172
ACX1097	233
ACX1098	233

Part No.	Page
ACX1099/100	234
ACX1100	234
ACX1100/400	234
ACX1101	234
ACX1102	234
ACX1102/100	234
ACX1103	234
ACX1104	234
ACX1105	234
ACX1105/250	234
ACX1106	234
ACX1107	234
ACX1108	234
ACX1108/150	234
ACX1109	234
ACX1110	234
ACX1111	234
ACX1111/100	234
ACX1112	234
ACX1113	234
ACX1113/100	234
ACX1114	234
ACX1115	234
ACX1116	234
ACX1117	234
ACX1117/50	234
ACX1118	231
ACX1119	231
ACX1120BL	231
ACX1121BL	231
ACX1124BL	231
ACX1125BL	231
ACX1126BL	231
ACX1127BL	231
ACX1133	231
ACX1134	231
ACX1136	231
ACX1137	232
ACX1138	232
ACX1139	237
ACX1140	237
ACX1141	237
ACX1151	235
ACX1152	235
ACX1153	235
ACX1154	235
ACX1155	235
ACX1156	235

Part No.	Page
ACX1157	235
ACX1158	235
ACX1159	235
ACX1160	235
ACX1162	235
ACX1163	232
ACX1164	232
ACX1165	232
ACX1167	235
ACX1170	237
ACX1171	237
ACX1172	238
ACX1173	238
ACX1174	238
ACX1176	238
ACX1178	238
ACX1179	239
ACX1180	239
ACX1181	239
ACX1182	237
ACX1183	237
ACX1192	236
ACX1193	236
ACX1194	236
ACX1195	236
ACX1196	236
ACX1197	236
ACX1200	315
ACX1201	315
ACX1202	315
ACX1203	315
ACX1204	314
ACX1205	314
ACX1208	316
ACX1209	315
ACX1211	315
ACX1212	315
ACX1215	234
ACX1216/10	234
ACX1217	234
ACX1218	234
ACX1219	234
ACX1220	239
ACX1221	239
ACX1222	239
ACX1223	239
ACX1224	239
ACX1225	239

Part No.	Page
ACX1226	239
ACX1228	240
ACX1230	240
ACX1231	240
ACX1233	240
ACX1234	240
ACX1235	240
ACX1239	241
ACX1240	241
ACX1241	241
ACX1242	241
ACX1244	241
ACX1247	239
ACX1248	239
ACX1249	239
ACX1250	239
ACX1262	237
ACX1269	231
ACX1270	231
ACX1271BL	231
ACX1272	231
ACX1273BL	231
ACX1274	231
ACX1275	231
ACX1276	231
ACX1277	231
ACX1278	231
ACX1279	231
ACX1280	231
ACX1281	231
ACX1282	231
ACX1283	231
ACX1284	231
ACX1285	231
ACX1286	231
ACX1287	231
ACX1288	231
ACX1289	232
ACX1289L	233
ACX1289R	232
ACX1289RL	233
ACX1290	232
ACX1290L	233
ACX1290R	232
ACX1290RL	233
ACX1291	232
ACX1291L	233
ACX1291R	232

Part No.	Page
ACX1291RL	233
ACX1293	232
ACX1293L	233
ACX1293R	232
ACX1293RL	233
ACX1294	232
ACX1294L	233
ACX1294R	232
ACX1294RL	233
ACX1295	232
ACX1295L	233
ACX1295R	232
ACX1295RL	233
ACX1296	232
ACX1296L	233
ACX1296R	232
ACX1296RL	233
ACX1297	232
ACX1297L	233
ACX1297R	232
ACX1297RL	233
ACX1300	248
ACX1300BK	248
ACX1301	248
ACX1301BK	248
ACX1302	248
ACX1302BK	248
ACX1303	248
ACX1303BK	248
ACX1304	247
ACX1305	247
ACX1306	247
ACX1307	249
ACX1308	249
ACX1309	249
ACX1310	249
ACX1311	249
ACX1312	249
ACX1313	249
ACX1314	249
ACX1315	245
ACX1316	245
ACX1317	245
ACX1318	245
ACX1319	245
ACX1320	245
ACX1321	245
ACX1322	246

Part No.	Page
ACX1324	246
ACX1325	245
ACX1326	245
ACX1328	245
ACX1340	238
ACX1341	238
ACX1342	238
ACX1343	238
ACX1344	238
ACX1345	238
ACX1346	238
ACX1347	238
ACX1351	240
ACX1352	240
ACX1355	241
ACX1356	241
ACX1359	236
ACX1360	236
ACX1361	236
ACX1362	236
ACX1363	236
ACX1364	236
ACX1365	236
ACX1366	236
ACX1367	236
ACX1368	236
ACX1370	248
ACX1371	248
ACX1372	248
ACX1373	248
ACX1374	248
ACX1375	248
ACX1376	248
ACX1377	249
ACX1378	249
ACX1379	249
ACX1381	249
ACX1382	249
ACX1383	249
ACX1384	249
ACX1385	249
ACX1390	236
ACX1390	237
ACX1391	236
ACX1391	237
ACX1392	236
ACX1392	237
ACX1393	236

Part No.	Page
<b>A (continued)</b>	
ACX1393	237
ACX1394	236
ACX1394	237
ACX1395	236
ACX1395	237
ACX1396	236
ACX1396	237
ACX1420	247
ACX1421	247
ACX1422	247
ACX1423	247
ACX1424	247
ACX1425	247
ACX1426	247
ACX1427	247
ACX1428	248
ACX1429	248
ACX1430	248
ACX1431	248
ACX1432	248
ACX1434	248
ACX1435	248
ACX1436	248
ACX1437	248
ACX1438	248
ACX1439	248
ACX1440	248
ACX1441	247
ACX1442	247
ACX1450	238
ACX1451	238
ACX1452	238
ACX1453	238
ACX1454	238
ACX1455	238
ACX1456	238
ACX1517BL	127
ACX1518BL	127
ACX1519BL	127
ACX1520BL	127
ACX1521BL	127
ACX1522BL	127
ACX1523BL	127
ACX1524BL	127
ACX1525BL	127
ACX1526BL	127
ACX1527BL	127

Part No.	Page
ACX1528BL	127
ACX1532	127
ACX1533	127
ACX1534	127
ACX1535	127
ACX1536	127
ACX1537	127
ACX1538	127
ACX1600	129
ACX1601	129
ACX1602	129
ACX1603	129
ACX1604	129
ACX1605	129
ACX1606	129
ACX1607	129
ACX1608	129
ACX1608BL	129
ACX1609	129
ACX1625	130
ACX1625BL	130
ACX1626	130
ACX1626BL	130
ACX1627	130
ACX1627BL	130
ACX1628	130
ACX1628BL	130
ACX1629	130
ACX1629BL	130
ACX1630	130
ACX1630BL	130
ACX1631	130
ACX1631BL	130
ACX1632	130
ACX1632BL	130
ACX1633	130
ACX1640	128
ACX1641	128
ACX1642	128
ACX1643	128
ACX1644	128
ACX1645	128
ACX1646	128
ACX1647	128
ACX1650	129
ACX1651	129
ACX1652	129
ACX1653	129

Part No.	Page
ACX1654	129
ACX1655	129
ACX1656	129
ACX1657	129
ACX1660	128
ACX1661	128
ACX1662	128
ACX1663	128
ACX1664	128
ACX1665	128
ACX1666	128
ACX1667	128
ACX1668	128
ACX1669	128
ACX1670	128
ACX1700	136
ACX1701	135
ACX1707BL	136
ACX1708	136
ACX1709	136
ACX1710BL	137
ACX1711	137
ACX1711R	138
ACX1711RBL	138
ACX1712	139
ACX1713	139
ACX1715	136
ACX1716BL	137
ACX1717	138
ACX1718	137
ACX1719	137
ACX1728	138
ACX1730	133
ACX1731	133
ACX1732	133
ACX1733	134
ACX1734	134
ACX1750BL	132
ACX1751	132
ACX1751BL	132
ACX1752	132
ACX1752BL	132
ACX1753	132
ACX1753BL	132
ACX1754	132
ACX1754BL	132
ACX1755BL	132
ACX1756	132

Part No.	Page
ACX1764	131
ACX1764BL	131
ACX1765BL	131
ACX1766	131
ACX1766BL	131
ACX1767	131
ACX1767BL	131
ACX1773BL	131
ACX1774	131
ACX1775BL	131
ACX1777	131
ACX1777BL	131
ACX1780BL	132
ACX1785BL	132
ACX1786BL	132
ACX1787BL	132
ACX1788BL	132
ACX1789BL	132
ACX1791BL	132
ACX1792BL	132
ACX1795BL	132
ACX1796BL	132
ACX1800BL	132
ACX1801	132
ACX1801BL	132
ACX1802	132
ACX1802BL	132
ACX1803	132
ACX1804	132
ACX1804BL	132
ACX1807BL	132
ACX1808	133
ACX1809	133
ACX1810	133
ACX1811	133
ACX1812	133
ACX1814	133
ACX1815	133
ACX1816	133
ACX1817	133
ACX1818	133
ACX1819	133
ACX1826	139
ACX1830	140
ACX1831	140
ACX1834	141
ACX1836	140
ACX1837	140

Part No.	Page
ACX1843	145
ACX1844	145
ACX1845	145
ACX1846	145
ACX1847	145
ACX1848	145
ACX1882BL	146
ACX1884BL	146
ACX1885BL	146
ACX1886BL	146
ACX1887BL	146
ACX1888BL	146
ACX1889BL	146
ACX1890	147
ACX1891	147
ACX1892	147
ACX1893	147
ACX1894	145
ACX1895	145
ACX1910	146
ACX1911	146
ACX1912	146
ACX1913	146
ACX1914	146
ACX1915	146
ACX1916	146
ACX1920	143
ACX1921	143
ACX1922	143
ACX1923	143
ACX1924	146
ACX1925	146
ACX1926	146
ACX1927	143
ACX1928	143
ACX1929	143
ACX1930	143
ACX1931	143
ACX1931BL	113
ACX1932	143
ACX1933	143
ACX1934	143
ACX1938RBL	113
ACX1939RBL	111
ACX1940DBL	112
ACX1940RB	112
ACX1940RBL	112
ACX1941RBL	112

Part No.	Page
ACX1942DBL	112
ACX1942RBL	112
ACX1943RBL	112
ACX1944RBL	113
ACX1945RBL	113
ACX1966RBL	111
ACX1980BL	111
ACX1981BL	111
ACX1982BL	111
ACX1983BL	111
ACX1984	114
ACX1986	113
ACX1987	114
ACX1988	111
ACX1989	111
ACX1990	113
ACX1994BL	112
ACX1997	114
ACX2011BL	116
ACX2013BL	117
ACX2014BL	117
ACX2019BL	117
ACX2023	118
ACX2025	267
ACX2030	114
ACX2031	115
ACX2034	118
ACX2041	116
ACX2043	116
ACX2045	115
ACX2052	24
ACX2300	180
ACX2426BL	263
ACX2427BL	263
ACX2428BL	263
ACX2429BL	263
ACX2430BL	263
ACX2431BL	263
ACX2432BL	263
ACX2433BL	263
ACX2440	118
ACX2480BL	263
ACX2481BL	263
ACX2482BL	263
ACX2483BL	263
ACX2484BL	263
ACX2485BL	263
ACX2486BL	263



Part No.	Page
<b>A (continued)</b>	
ACX2487BL	263
ACX2680	187
ACX2680BK	187
ACX2681	187
ACX2681BK	187
ACX2682	187
ACX2682BK	187
ACX2683	187
ACX2683BK	187
ACX2684	187
ACX2684BK	187
ACX2685	187
ACX2685BK	187
ACX2686	188
ACX2686BK	188
ACX2687	188
ACX2687BK	188
ACX2688	188
ACX2688BK	188
ACX2689	188
ACX2689BK	188
ACX2690	188
ACX2690BK	188
ACX2691	188
ACX2691BK	188
ACX2692BL	188
ACX2693BL	188
ACX2694BL	188
ACX2695BL	188
ACX2696BL	188
ACX2697BL	188
ACX2703	192
ACX2724	189
ACX2725	189
ACX2726	189
ACX2727	189
ACX2728	193
ACX2730	189
ACX2731	189
ACX2732BL	189
ACX2733	189
ACX2734	189
ACX2735BL	189
ACX2736	189
ACX2737	189
ACX2738BL	189
ACX2739	189

Part No.	Page
ACX2740	189
ACX2741BL	189
ACX2742	189
ACX2743	189
ACX2744BL	189
ACX2753BL	189
ACX2758	192
ACX2759	192
ACX2760	173
ACX2760B	173
ACX2760C	173
ACX2760T	173
ACX2761	173
ACX2762	174
ACX2762B	174
ACX2762C	174
ACX2763	174
ACX2764	174
ACX2764B	174
ACX2764C	174
ACX2765	174
ACX2766	173
ACX2767	173
ACX2768	173
ACX2778	61
ACX2779	61
ACX2789	217
ACX2790	216
ACX2791	218
ACX2792	217
ACX2800	219
ACX2801	220
ACX2802	219
ACX2803	221
ACX2804	211
ACX2805	212
ACX2806	221
ACX2807	220
ACX2829BL	204
ACX2830BL	204
ACX2840	225
ACX2841	224
ACX2842	225
ACX2844	225
ACX2845	225
ACX2847	226
ACX2861BL	203
ACX2864	203

Part No.	Page
ACX2872	226
ACX2873	227
ACX2874	228
ACX2875	227
ACX2876	228
ACX2877	229
ACX2878	228
ACX2879	230
ACX2880	227
ACX2890	229
ACX2891	229
ACX2892	230
ACX2893	215
ACX2894	215
ACX2900	175
ACX2901	175
ACX2902	175
ACX2903	175
ACX2904	175
ACX2905	175
ACX2906	179
ACX2907	179
ACX2910	177
ACX2911	177
ACX2912	177
ACX2913	177
ACX2914	177
ACX2915	177
ACX2920	180
ACX2921	180
ACX2922	180
ACX2923	181
ACX2924	181
ACX2925	181
ACX2926	181
ACX2927	181
ACX2930	183
ACX2931	184
ACX2932	185
ACX2933	182
ACX2940	182
ACX2941	182
ACX2942	182
ACX2947	182
ACX2948	182
ACX2949	182
ACX2950	182
ACX2955	181



Part No.	Page
ACX2960	182
ACX2963	176
ACX2965/50	178
ACX2965S/5	178
ACX2965W/20	178
ACX2966/50	178
ACX2966P/5	178
ACX2966W/20	178
ACX2967/50	178
ACX2967S/5	178
ACX2967W/20	178
ACX2968/50	178
ACX2968P/5	178
ACX2968W/20	178
ACX2969/50	178
ACX2969S/5	178
ACX2969W/20	178
ACX2970/50	178
ACX2970P/5	178
ACX2970W/20	178
ACX2971S/5	178
ACX2971W/20	178
ACX2972/50	178
ACX2972P/5	178
ACX2972W/20	178
ACX2973S/5	178
ACX2973W/20	178
ACX2974/50	178
ACX2974P/5	178
ACX2974W/20	178
ACX2975S/5	178
ACX2975W/20	178
ACX2976P/5	178
ACX2976W/20	178
ACX2978/5	176
ACX2979/5	176
ACX2980	180
ACX2980/100	180
ACX2981	180
ACX2981/100	180
ACX2982	180
ACX2983/5	174
ACX2983/5	181
ACX2984/5	174
ACX2984/5	181
ACX2985S/5	176
ACX2985W/20	176
ACX2986P/5	176

Part No.	Page
ACX2986W/20	176
ACX2987S/5	176
ACX2987W/20	176
ACX2988P/5	176
ACX2988W/20	176
ACX2989S/5	176
ACX2989W/20	176
ACX2990P/5	176
ACX2990W/20	176
ACX2991S/5	176
ACX2991W/5	176
ACX2992P/5	176
ACX2992W/20	176
ACX2993	180
ACX2993S/5	176
ACX2993W/20	176
ACX2994	180
ACX2994P/5	176
ACX2994W/20	176
ACX2995	180
ACX2995S/5	176
ACX2995W/20	176
ACX2996	180
ACX2996P/5	176
ACX2996W/20	176
ACX2997	180
ACX2998	180
ACX2999	180
ACX3000	195
ACX3000BL	195
ACX3001	197
ACX3001BL	197
ACX3002	198
ACX3003	201
ACX3004	201
ACX3006	195
ACX3007	197
ACX3008	198
ACX3011	195
ACX3012	197
ACX3013	199
ACX3014	195
ACX3015	195
ACX3016	195
ACX3017	197
ACX3018	197
ACX3019	198
ACX3020	198

Part No.	Page
ACX3021/50	195
ACX3021BL	195
ACX3022	195
ACX3023/50	197
ACX3023BL	197
ACX3024	197
ACX3025	198
ACX3025BL	198
ACX3026	198
ACX3027	195
ACX3028/50	195
ACX3029	196
ACX3030/50	196
ACX3031	198
ACX3032	198
ACX3033	195
ACX3034/50	195
ACX3035	196
ACX3036/50	196
ACX3036BL	196
ACX3037	198
ACX3038	195
ACX3039	197
ACX3040	199
ACX3041	201
ACX3043	195
ACX3043BL	195
ACX3044	195
ACX3045	197
ACX3046	197
ACX3047	199
ACX3048	195
ACX3049	195
ACX3050	195
ACX3051	195
ACX3052	195
ACX3053	197
ACX3054	197
ACX3055	197
ACX3056	197
ACX3057	197
ACX3058	199
ACX3059	199
ACX3060	199
ACX3061	199
ACX3062	199
ACX3063	199
ACX3064	195

Part No.	Page
<b>A (continued)</b>	
ACX3065	197
ACX3065BL	197
ACX3066	199
ACX3070	195
ACX3071	197
ACX3073	200
ACX3074	200
ACX3077	200
ACX3078	200
ACX3083	200
ACX3084	200
ACX3086	200
ACX3093	200
ACX3094	200
ACX3096	189
ACX3096	200
ACX3097	189
ACX3097	200
ACX3100	201
ACX3101	201
ACX3105	195
ACX3107	70
ACX3108	70
ACX3110	70
ACX3111	70
ACX3112	70
ACX3113	70
ACX3114	70
ACX3115	70
ACX3116	70
ACX3117	70
ACX3120	70
ACX3121	70
ACX3122	70
ACX3123	70
ACX3124	70
ACX3125	70
ACX3128	71
ACX3129	71
ACX3130	71
ACX3131	71
ACX3132	71
ACX3133	71
ACX3134	71
ACX3135	71
ACX3136	71
ACX3137	71

Part No.	Page
ACX3138	71
ACX3139	71
ACX3140	71
ACX3141	71
ACX3142	144
ACX3143	70
ACX3144	71
ACX3145BL	190
ACX3146BL	190
ACX3147	191
ACX3148	191
ACX3149	191
ACX3150	191
ACX3151	71
ACX3152	197
ACX3152BL	197
ACX3157	190
ACX3158	190
ACX3164	195
ACX3165	197
ACX3168	197
ACX3169	198
ACX3171	195
ACX3172	196
ACX3173	195
ACX3175	195
ACX3176	195
ACX3177	195
ACX3178	197
ACX3179	197
ACX3180	197
ACX3181	197
ACX3182	195
ACX3183	197
ACX3185	199
ACX3186	199
ACX3187	199
ACX3188	200
ACX3189	200
ACX3190	200
ACX3191	186
ACX3192	186
ACX3193	186
ACX3194	186
ACX3196	186
ACX3200	179
ACX3200PW/50	179
ACX3200RW/50	179

Part No.	Page
ACX3201	179
ACX3201PW/50	179
ACX3201RW/50	179
ACX3202	179
ACX3202PW/50	179
ACX3202RW/50	179
ACX3203	179
ACX3203PW/50	179
ACX3203RW/50	179
ACX3204	179
ACX3204PW/50	179
ACX3204RW/50	179
ACX3205	179
ACX3205PW/50	179
ACX3205RW/50	179
ACX3302	119
ACX3304	119
ACX3306	121
ACX3321	120
ACX3322	119
ACX3324	121
ACX3329	124
ACX3330	124
ACX3331	124
ACX3332	124
ACX3333	124
ACX3334	124
ACX3335	124
ACX3336	125
ACX3337	125
ACX3338	124
ACX3340	123
ACX3344	123
ACX3345	122
ACX3352	125
ACX3353	125
ACX3354	125
ACX3355	125
ACX3370	120
ACX3405	106
ACX3408	107
ACX3409	103
ACX3410	103
ACX3412	104
ACX3417BL	106
ACX3424	107
ACX3426	107
ACX3427	107



Part No.	Page
ACX3432	108
ACX3433	108
ACX3437	106
ACX3438	102
ACX3438COVER	102
ACX3438METAL	102
ACX3438NC	102
ACX3438NO	102
ACX3438PANEL	102
ACX3442	108
ACX3445	108
ACX3450	96
ACX3451	96
ACX3467BL	95
ACX3469BL	95
ACX3551BL	97
ACX3552BL	97
ACX3556BL	98
ACX3557BL	98
ACX3562	99
ACX3563	98
ACX3564	98
ACX3568	99
ACX3579	99
ACX3581	98
ACX3609BL	94
ACX3610BL	93
ACX3644BL	96
ACX3670BL	96
ACX3671BL	96
ACX3674BL	94
ACX3677BL	93
ACX3690BL	93
ACX3691BL	93
ACX3692BL	93
ACX3693BL	93
ACX3705BL	85
ACX3706BL	85
ACX3715BL	85
ACX3716BL	85
ACX3765BL	86
ACX3779BL	83
ACX3783BL	84
ACX3784BL	87
ACX3787	85
ACX3788	85
ACX3789	85
ACX3790	85

Part No.	Page
ACX3791BL	87
ACX3792BL	87
ACX3797	86
ACX3798	86
ACX3799	86
ACX3805BL	76
ACX3868BL	76
ACX3871BL	77
ACX3874BL	76
ACX3882BL	80
ACX3888BL	78
ACX3891BL	78
ACX3901	108
ACX3912	83
ACX3913BL	77
ACX3919BL	82
ACX3949BL	82
ACX3958BL	81
ACX4851	292
ACX4852	292
ACX4870	292
ACX5000	257
ACX5001	257
ACX5002	257
ACX5003	257
ACX5004	257
ACX5005	257
ACX5008	258
ACX5009	258
ACX5010	258
ACX5011	101
ACX5014	254
ACX5017BL	253
ACX5018BL	253
ACX5020	265
ACX5021	265
ACX5022	265
ACX5023	265
ACX5030	266
ACX5032	266
ACX5033	266
ACX5036	265
ACX5101	253
ACX5107	253
ACX5108	253
ACX5110	254
ACX5111	254
ACX5112	254

Part No.	Page
ACX5113	254
ACX5114	254
ACX5117	253
ACX5118	253
ACX5119	253
ACX5130	254
ACX5132	254
ACX5133	254
ACX5134	254
ACX5136	254
ACX5139	255
ACX5142	255
ACX5144	255
ACX5145	255
ACX5146	255
ACX5147	255
ACX5148	255
ACX5151	256
ACX5152	255
ACX5153	256
ACX5153	257
ACX5154	256
ACX5154	257
ACX5155	256
ACX5156	256
ACX5157	256
ACX5157	257
ACX5158	256
ACX5158	257
ACX5159	256
ACX5161	255
ACX5300	305
ACX5303	305
ACX5304	305
ACX5305	305
ACX5306	305
ACX5905	259
ACX5906	259
ACX5907	259
ACX5909	260
ACX5910	259
ACX5921	260
ACX5922	260
ACX5924	261
ACX5929	261
ACX5930	261
ACX5934	261
ACX5935	261

Part No.	Page
<b>A (continued)</b>	
ACX5936	258
ACX5938	261
ACX5940	261
ACX5970	260
ACX5971	260
ACX5972	260
ACX6010	308
ACX6011	308
ACX6013	309
ACX6014	308
ACX6017	309
ACX6018	309
ACX6020	309
ACX6021	310
ACX6025	308
ACX6027	308
ACX6028	308
ACX6029	317
ACX6030	310
ACX6051	310
ACX6052	309
ACX6100	311
ACX6101	311
ACX6102	311
ACX6103	311
ACX6105	311
ACX6110	311
ACX6111	311
ACX6113	312
ACX6114	312
ACX6115	312
ACX6116	312
ACX6118	312
ACX6120	313
ACX6121	313
ACX6149	312
ACX6150	312
ACX6151	312
ACX6152	313
ACX6153	312
ACX6154	313
ACX6155	313
ACX6156	313
ACX6157	312
ACX6200	310
ACX6202	311
ACX6204	204

Part No.	Page
ACX6205	48
ACX6206	310
ACX6207BL	204
ACX6208BL	310
ACX6210	322
ACX6231	317
ACX6232	317
ACX6233	317
ACX6502BL	130
ACX6503	130
ACX6503BL	130
ACX6504	130
ACX6504BL	130
ACX6505	130
ACX6505BL	130
ACX6506	130
ACX6506BL	130
ACX6507	130
ACX6508	130
ACX6508BL	130
ACX6510	130
ACX6510BL	130
ACX6511	130
ACX6512	130
ACX6512BL	130
ACX6513BL	130
ACX6514	134
ACX6515	134
ACX6518	131
ACX6518BL	131
ACX6519	131
ACX6519BL	131
ACX6520	131
ACX6520BL	131
ACX6521	131
ACX6521BL	131
ACX6523	131
ACX6523BL	131
ACX6525	131
ACX6525BL	131
ACX6527	131
ACX6527BL	131
ACX6528	131
ACX6528BL	131
ACX6529	131
ACX6529BL	131
ACX6530	135
ACX6531	135

Part No.	Page
ACX6532	135
ACX6533	135
ACX7200	27
ACX7201	27
ACX7202	27
ACX7203	27
ACX7204	27
ACX7205	27
ACX7630	77
ACX7631	78
ACX7632	79
ACX7635	80
ACX7636	82
ACX7638	80
ACX7640	99
ACX7641	99
ACX7642	99
ACX7643	100
ACX7644	100
ACX7645	100
ACX7646	100
ACX7647	100
ACX7648	100
ACX7649	101
ACX7650	101
ACX7651	101
ACX7652	101
ACX7653	101
ACX9000	276
AK3	270
AK5	270
AK5RD	270
AK7	270
ANU200	271
ARI175-R	311
ARI200-Y AI	311
ARI250-G	311
AT880TWIN	271
ATC34123B50	163
ATRZ24515B50	230
ATRZ25415B50	163
AW4	270
AX1300BT	266
AX1800BT	266
AX1803BT	266
<b>B</b>	
B4	211
B5	213





Part No.	Page
B720	223
B730	222
BA102	256
BA107	256
BA6000	16
BAGP	323
BAGPS	323
BB1SS	269
BB2H	269
BB45W	269
BB4SS	269
BB50W	269
BBS102	257
BBS107	257
BCDC1206	20
BCDC1220	20
BCDC1220-IGN	20
BCDC1225D	20
BCDC1240D	20
BCDC1250D	20
BCDC2420	21
BMIS4PNKIT	108
BMIS4PPKIT	108
BMS1215S3	21
BMS1230S2	21
BNC1	269
BR200	313
BT001	103
<b>C</b>	
C105	57
C12-105DA	56
C12-120DA	56
C12-270DA	56
C100	330
C125	330
C12-75DA	56
C12-75DG	56
C2013B	260
CA63	317
CAM325	259
CCP0.25BK	242
CCP0.38BK	242
CCP0.75BK	242
CE10	29
CE25	29
CE40S2	29
CR1224L	115

Part No.	Page
<b>D</b>	
D23LT	56
D27F	58
D31A	58
D31M	58
D34	58
D34-78	58
D35	58
DBC100	24
DBC150	25
DCT110HIR/W	246
DIN44LMF	52
DIN53LH MF AGM	50
DIN53LHMF	52
DIN53LMF	52
DIN65L MF EFB	50
DIN65LH	52
DIN65LH MF AGM	50
DIN65LHD MF	53
DIN65LMF	52
DIN75L MF EFB	50
DIN75LH MF AGM	50
DIN75LHD MF	53
DIN75LMF	52
DIN85LH MF AGM	50
DIN85LHMF	52
DIN85LMF	52
DPN0.75BK	242
DPN1.13BK	242
DPS2410	29
DPS2420	29
DSW550HS	246
DSWS50HSK2	246
DT830B	330
<b>E</b>	
EAB-12L	229
EAB-12P	227
EAB-12S	227
EB	16
EB24A	16
EBRH-ACCV3	17
EBRHV2	16
EBS-12P	227
EBS-12S	228
EBTM	16
EC5605-WK	260
EE-1010	315
EFX0162	300

Part No.	Page
EFX028	300
EFX039	300
EFX042	300
EFX0444	304
EFX045	300
EFX046	300
EFX0463	300
EFX047	300
EFX048	300
EFX049	300
EFX050	300
EFX052	300
EFX0812K	301
EFX0824K	301
EFX0912K	301
EFX0924K	301
EFX1012K	301
EFX1024K	301
EFX1212K	301
EFX1224K	301
EFX1412K	301
EFX1424K	301
EFX1612K	301
EFX1624K	301
EFX358-12	303
EFX358-24	303
EFX4500	297
EFX4501	299
EFX4502	297
EFX4503	299
EFX4504	297
EFX4505	299
EFX4506	297
EFX4511	297
EFX4512	299
EFX4513	297
EFX4514	299
EFX4517	297
EFX4521	296
EFX4521	297
EFX4521	298
EFX4521	299
EFX4521	303
EFX4524	299
EFX4525	299
EFX4530	297
EFX4531	299
EFX4538	297

Part No.	Page
<b>E (continued)</b>	
EFX4539	299
EFX4771	297
EFX4772	297
EFX500	304
EFX501	303
EFX502	304
EFX503	304
EFX510	304
EFX5501	298
EFX5503	298
EFX5509	296
EFX5510	298
EFX5515	296
EFX5516	299
EFX5520	296
EFX5530	296
EFX5531	298
EFX5533	298
EFX5534	296
EFX5535	298
EFX5542	296
EFX5543	299
EFX5545	298
EMG-220	316
ESP6/6	103
EWX8000	304
EWX8005	305
<b>F</b>	
F6F0.25TB	242
F6F0.38TB	242
F6F0.50TB	242
F6F0.75TB	242
F6N0.25BK	243
F6N0.38BK	243
F6N0.50BK	243
F6N0.75BK	243
F6N1.00BK	243
FA0002	302
FA0006	302
FA0023	302
FA0028	302
FA0070	302
FA0071	302
FB10ABE	323
FB10X10	323
FB15ABE	323
FB20ABE	323

Part No.	Page
FB25ABE	323
FB45ABE	323
FB90ABE	323
FEP43175	326
FK40	134
FK60	134
FLUKE-233	328
FLUKE-117	328
FLUKE-179	328
FLK-V3001FC	329
FLUKE-87-5	329
FLUKE-88-5/A KIT	329
FM1	270
FPX007	324
FPX008BL	323
FPX009	324
FPX010	324
FPX011	326
FPX012	326
FPX013	324
FPX016	326
FPX028	324
FPX036B	323
FPX044B	325
FPX048	324
FPX082	325
<b>G</b>	
GV200BA	120
GV200CA	122
GWA0014	87
<b>H</b>	
H2F0.48BK	241
H2F0.79BK	241
H2F1.18BK	241
H2F1.58BK	241
H3515	219
H40907	217
HBA1224	284
HMAC001-12	264
HMAC001-24	264
HMDS1000B	284
HMG1000C	283
HMR0020	48
HMR0200B	48
HMSA3000	284
<b>I</b>	
I410	329
IDC25	22

Part No.	Page
IDC45	22
IS1500	47
<b>J</b>	
JW10SUHD	209
<b>K</b>	
K5000B	259
KOLO12DU	284
KOLO12DU0	284
KOLO24DU	284
<b>L</b>	
LCA1224	286
LITHIUM XS	41
LS1250	47
<b>M</b>	
M100	45
M15	46
M24117BX	119
M25	46
M449-BX	192
M4721BX	192
M4755BX	192
M58031-01BL	84
M750BL	104
MB7	221
MM1	269
MP7	220
MXS10	41
MXS10EC	43
MXS25EC	44
MXS3.8	41
MXS5.0	41
MXS7.0	41
MXT14	45
MXT4.0	45
MXTS40	44
MXTS70	44
<b>N</b>	
N100LMF	55
N100MF	55
N120MF	55
N150LMF	55
N150MF	55
N200	55
N200M	57
N200MF	55
N221-12	314
N221-24	314
N70T	56



Part No.	Page
N70TXMF	56
N70ZZHDMF	53
N70ZZHMF	54
N70ZZHX	54
N70ZZLH MF	54
N70ZZLHX	54
N70ZZLMF	54
N70ZZLX MF	53
N70ZZLXH	53
N70ZZMF	54
N70ZZX MF	53
N70ZZXH	53
NO15-19	316
NS40Z MF	52
NS40ZLB MF	52
NS40ZLMF	52
NS40ZLSMF	52
NS40ZLSX MF	51
NS40ZLX MF	51
<b>N (continued)</b>	
NS40ZSMF	52
NS60LMF	52
NS60LSMF	52
NS60LSX MF	51
NS60MF	52
NS60SMF	52
NS60SX MF	51
NS70LMF	54
NS70LXMF	54
NS70MF	54
NS70T	56
NS70XMF	54
NYN0.13BK	243
NYN0.25BK	243
NYN0.38BK	243
NYN0.50BK	243
NYN0.63BK	243
NYN0.75BK	243
NYN1.00BK	243
<b>O</b>	
ORJW750	209
<b>P</b>	
PCX2700	118
PH125	59
PM200	23
PM300	23
PM400	23
PRO15S	44

Part No.	Page
PRO25S	44
PROTECT250	314
PROTECT300	314
<b>Q</b>	
Q85	50
Q85 MF	50
Q85R MF	50
<b>R</b>	
R-12-1000RS	26
R-12-1500RS	26
R-12-2000RS	26
R-12-3000RS	26
R-12-350RS	26
R-12-700RS	26
R-24-3000RS	26
RC-1260RBX	113
RD545750P	303
REMOTE-RS	26
RFL2420	26
RFL2440	26
RM6000	16
ROS1224	108
<b>S</b>	
S95	50
S95 MF	50
SA-BBS107	257
SA-BBS97	257
SBI12	23
SBI12D	23
SBI12KIT	23
SBI212	24
SBI224	24
SBI24	24
SC110	36
SC220	36
SC245	36
SDN0.25BK	244
SDN0.50BK	244
SDN0.75BK	244
SDN1.00BK	244
SFDP1-010-040-21	276
SFDP1-030-045-33	276
SFWP1-045-070-41	276
SFWP1-050-070-51	276
SIR-003	265
SMC0001	31

Part No.	Page
SMF10	28
SMF2	28
SMF20	28
SMF30	28
SMF5	28
SMF8	28
SMI9001	31
SMI9002	32
SMI9003	32
SMPA120	30
SMPA160	30
SMR1050	30
SMR1080	31
SMR1120	31
SMR1150	31
SMR1150-SL	31
SRC0001	32
SRC0001-CK	32
SRC0003	32
SRC0006	32
SRC0010	33
SRC0018	33
SRC0019	33
SRP0120	33
SRP0240	33
SRP0240-RM	33
SRP0240-TP	33
SRPA0120	34
SRPA0240	34
SRPA0360	34
SRPA20-VP	34
SRPA-RM	34
SSF1115	30
SSF1150	30
SSF1190	30
<b>T</b>	
T110	50
T110 MF	50
TDR02003	35
TDR02004	36
TDR02005	36
TDR02006	36
TDR02007	59
TDR02008	59
TDR02014	47
TDR02015	47
TDR02020	22
TDR02030	274

Part No.	Page
<b>T (continued)</b>	
TDR02031	274
TDR02040	22
TDR02100	273
TDR02101	273
TDR02101C	273
TDR02207	68
TDR02208	68
TDR02209	68
TDR04013	275
TDR04015	273
TDR04016	275
TDR04018	274
TDR04019	267
TDR05000	129
TDR05001	129
TDR05002	129
TDR05003	129
TDR05004	129
TDR05005	129
TDR05006	129
TDR05007	129
TDR05008	129
TDR05009	129
TDR05010	127
TDR05011	127
TDR05012	127
TDR05013	127
TDR05014	127
TDR05015	127
TDR05016	127
TDR05017	127
TDR05018	127
TDR05019	128
TDR05020	128
TDR05021	128
TDR05022	128
TDR05023	128
TDR05024	128
TDR05025	128
TDR05026	128
TDR05027	128
TDR05101	144
TDR05102	144
TDR05103	144
TDR05104	144
TDR05105	144
TDR05106	144

Part No.	Page
TDR05107	145
TDR05108	145
TDR05109	145
TDR05110	145
TDR05111	145
TDR05112	145
TDR05113	145
TDR05201	135
TDR05204	136
TDR05206	138
TDR05207	137
TDR05208	138
TDR05209	141
TDR05210	141
TDR05211	139
TDR05212	139
TDR05215	142
TDR05216	142
TDR05217	142
TDR05221	140
TDR05222	140
TDR05223	141
TDR05224	139
TDR06001	196
TDR06002	198
TDR06003	196
TDR06004	196
TDR06005	198
TDR06006	198
TDR06007	199
TDR06008	199
TDR06009	196
TDR06010	198
TDR06011	199
TDR06012	196
TDR06013	60
TDR06014	274
TDR06015	274
TDR06016	198
TDR06017	203
TDR06018	196
TDR06019	198
TDR06020	199
TDR06021	196
TDR06022	198
TDR06023	199
TDR06024	196
TDR06025	196

Part No.	Page
TDR06026	198
TDR06027	199
TDR06028	196
TDR06029	196
TDR06030	196
TDR06031	196
TDR06032	196
TDR06033	198
TDR06034	198
TDR06035	198
TDR06036	198
TDR06037	198
TDR06038	199
TDR06039	199
TDR06040	199
TDR06041	199
TDR06042	199
TDR06043	199
TDR06044	196
TDR06045	196
TDR06046	198
TDR06047	198
TDR06048	199
TDR06051	201
TDR06052	201
TDR06053	201
TDR06054	199
TDR06101	203
TDR06103	204
TDR06104	205
TDR06104	285
TDR06105	205
TDR06105	278
TDR06106	205
TDR06106	285
TDR06107	205
TDR06108	205
TDR06108	285
TDR06109	203
TDR06110	205
TDR06110	285
TDR06111	206
TDR06112	206
TDR06113	206
TDR06121	206
TDR06122	207
TDR06123	207
TDR06150	245



Part No.	Page
TDR06151	245
TDR06152	245
TDR06153	245
TDR06154	245
TDR06155	245
TDR06156	246
TDR06200	275
TDR06201	203
TDR06900	220
TDR06901	219
TDR06902	218
TDR06903	216
TDR06904	212
TDR06905	211
TDR06906	214
TDR06907	213
TDR06909	220
TDR06910	218
TDR06911	217
TDR06913	212
TDR06915	212
TDR06920	211
TDR06921	225
TDR06922	213
TDR11001	91
TDR11002	92
TDR11003	92
TDR11004	92
TDR11005	93
TDR11007	90
TDR11008	88
TDR11009	88
TDR11010	88
TDR11011	88
TDR11012	89
TDR11013	89
TDR11014	89
TDR11015	89
TDR11016	90
TDR11017	285
TDR11018	91
TDR11019	91
TDR11020	89
TDR11021	89
TDR11022	90
TDR11023	90
TDR11024	90
TDR11025	206

Part No.	Page
TDR11025	285
TDR11030	91
TDR11031	91
TDR11033	208
TDR11034	208
TDR11035	208
TDR11036	208
TDR11037	208
TDR11038	208
TDR11039	207
TDR11040	207
TDR11041	207
TDR11042	207
TDR11043	104
TDR11045	104
TDR11046	104
TDR11047	90
TDR11048	92
TDR11050	112
TDR11051	112
TDR11052	114
TDR11053	116
TDR11054	116
TDR11055	116
TDR11056	83
TDR11057	86
TDR11058	86
TDR11059	86
TDR11060	86
TDR11061	86
TDR11062	93
TDR11063	76
TDR11064	81
TDR11065	77
TDR11066	79
TDR11067	94
TDR11068	94
TDR11069	83
TDR11070	85
TDR11071	85
TDR11072	85
TDR11073	83
TDR11074	88
TDR11075	88
TDR11076	88
TDR11077	92
TDR11078	92
TDR11079	91

Part No.	Page
TDR11080	85
TDR15001	34
TDR15002	35
TDR15003	35
TDR15004	35
TDR15008	35
TDR15009	35
TDR15100	24
TDR15200	258
TDR17011	274
TDR17012	47
TDR17013	47
TDR17102	206
TDR17200	275
TDR17201	275
TDR17300	275
TGL0001	97
TGL0002	97
TIM05	118
TIM06	118
TL81A	330
TL71	330
TL220	330
TL28A	330
TPSI-001	17
TPSI-001-B	17
TPSI-002	17
TPSI-002-B	17
TPSI-003	17
TPSI-003-B	17
TPSI-004	17
TPSI-004-B	17
TPSI-005	17
TPSI-005-B	17
TPSI-006	17
TPSI-006-B	17
TPWKIT-002	17
TPWKIT-003	17
TPWKIT-004	17
TPWKIT-005	17
TPWKIT-006	17
TPWKIT-007	17
TPWKIT-008	17
TPWKIT-009	17
TPWKIT-010	17
TPWKIT-012	17
TVMS1280	21
TVMSKIT03	21



Part No.	Page
<b>T (continued)</b>	
TVMSKIT04	21
<b>U</b>	
UH5000	267
UH5060	268
UH5060VP	267
UH850S	268
UH9000	268
UH9080	268
UHF028	268
UHF390	268
<b>V</b>	
VRB5C	28
VRL	28
VRM	27
VRM-REV	28
VRS	28
VRT10	27
VRT20	27
VRT30	27
VRT7	27
VS12	117
VS24	118
VSR100	25
VSR200	25
<b>W</b>	
WES43301-R	103
WES43301-T	103
WP-1P5	186
WP-1S5	186
WP-2P5	186
WP-2S5	186
WP-3P5	186
WP-3S5	186
WP-4P4	186
WP-4S4	186
WP-6P3	186
WP-6S3	186
<b>X</b>	
XCO.8	40
XS0.8	40
<b>Y</b>	
YFX3120	329



# THE NEW NAME IN AUTOMOTIVE AFTERMARKET

NAPA Auto Parts is one of the world's biggest names in aftermarket automotive parts, with a proud history in knowledge, service and a wide range from reputable brands.

GPC Asia Pacific's trade and specialist businesses are consolidating to form NAPA Auto Parts, taking over 90 years of specialist parts knowledge and the local teams you know and trust, and combining it to make the new name of the Australian automotive aftermarket.

**4x4 Solutions | Brakes | Electrical | Engine Management | Heavy Duty Fleet Solutions | Thermal Control**



ashdown  
ingram

Cova3  
Automotive, Mining & Industrial Supplies

GLOBAL  
AUTO SPARES

RAE  
AUTO PARTS

Visit [napaparts.com.au](http://napaparts.com.au) for more details and locations across the country

# More locations to keep your business moving

## ASHDOWN-INGRAM | [ashdown-ingram.com.au](http://ashdown-ingram.com.au)

### QUEENSLAND

Archerfield	07 3277 8633
Bundaberg	07 4152 1063
Burleigh Heads	07 5522 1377
Caboolture	07 5495 1311
Cairns	07 4031 3816
Emerald	07 4987 4388
Gladstone	07 4972 1677
Ipswich	07 3202 1309
Mackay	07 4952 3172
Molendinar	07 5528 1266
Mt Isa	07 4743 1633
Rockhampton	07 4921 3799
Springwood	07 3208 4244
Sunshine Coast	07 5493 9022
Toowoomba	07 4632 9384
Townsville	07 4728 6222
Virginia	07 3633 0309

### NORTHERN TERRITORY

Darwin	08 8984 4222
--------	--------------

### VICTORIA

Ballarat	03 5339 8184
Bendigo	03 5443 1900
North Geelong	03 5224 2266
Sandown	03 9548 2266
Sunshine West	03 9364 7466
Traralgon	03 5174 9492
Tullamarine	03 8336 6444

### WESTERN AUSTRALIA

Bunbury	08 9725 6734
Geraldton	08 9921 1338
Kalgoorlie	08 9021 5211
Karratha	08 9183 8117
Kewdale	08 9376 2544
Wangara	08 9409 8326
Welshpool	08 9258 7555

### TASMANIA

Hobart	03 6228 0200
Launceston	03 6344 7042

### SOUTH AUSTRALIA

Regency Park	08 8347 1637
Thebarton	08 8257 2345
Whyalla	08 8645 5679

### NSW & ACT

Albury	02 6041 4443
Alexandria	02 9516 3022
Beresfield	02 4028 6665
Canberra	02 6280 6154
Coffs Harbour	02 6652 2932
Dubbo	02 6885 2766
Lidcombe	02 9648 1900
Newcastle	02 4961 3988
Penrith	02 4721 4555
Tamworth	02 6765 3199
Wagga Wagga	02 6925 5266
Wetherill Park	02 9616 0100
Wollongong	02 4271 2611

## COVS | [covsparts.com.au](http://covsparts.com.au)

Bibra Lake	08 9434 6244
Bunbury	08 9721 4722
Busselton	08 9751 1091
Canning Vale	08 9455 6255
Geraldton	08 9921 2388
Joondalup	08 9303 8600
Kalgoorlie	08 9021 1188
Merredin	08 9041 1144
Morley	08 9376 5300
Myaree	08 9330 9155
Narrogin	08 9881 1388
Northam	08 9622 1999
Osborne Park	08 9444 9213
Wanneroo	08 9309 8600
Welshpool	08 9460 9118

## R&E AUTO PARTS | [reautos.com.au](http://reautos.com.au)

Coburg	03 9350 5522
Cranbourne	03 5996 8722
Croydon	03 9724 9955
Dandenong	03 9799 1199
Glen Waverley	03 9560 3400
Heidelberg	03 9457 3437
Pakenham	03 5941 2377
Rosebud	03 5986 7503
Sale	03 5144 7011
Traralgon	03 5174 4706

## GLOBAL AUTO SPARES

Burleigh Heads	07 5534 1844
Currumbin	07 5534 1844
Labrador	07 5537 4611
Nerang	07 5596 3723
Southport	07 5571 0466
Tweed Heads	07 5524 2400

## NAPA AUTO PARTS | [napaparts.com.au](http://napaparts.com.au)

Kelmscott	08 9390 9033
Malaga	08 9209 1066
Mandurah	08 9581 9711
Midland	08 9274 4411
Rockingham	08 9550 1000



A national branch network delivering trade, industrial and mining solutions, supported by industry knowledge and leading brands

Part No. CATACCESS19AI

