



FIELD SERVICE CATALOGUE

FIRST EDITION

TABLE OF CONTENTS

03



JUMPSTART

jumpstart

04



CONNECTORS

deutsch
ampseal
delphi weather pack
hmws busbed receptacles

13



SWITCHES

temperature switch
oil pressure switch
ignition switch
proximity switches
toggle switches
uni-switches

20



LIGHTS

lights

25



CIRCUIT PROTECTION

circuit protection

29



WIRE AND CABLES

wire and cables
braided wires

33



SAFETY PRODUCTS

safety products

39



RELAYS

relays

41



DEVICE MOUNTINGS

device mountings

43



ALARMS

reverse alarms

44



WIRING SUPPORT AND PROTECTION

stainless "p" clamps
wire covering
magnets
cable ties
grommets

50



HMWS

brackets
hme assemblies

55



LIGHT BARS

light bars

59



ORGANIZER KITS

organizer kits

61



LED RANGE

led range
pilot lights

63



DIODES, RESISTORS AND CAN

deutsch diodes
deutsch resistors
qc styles resistors

65



GLANDS

Plastic Cable Glands
Metal Cable Glands.

This catalogue is intended as a communication tool to communicate to our partners, customers & design engineers, what type of products are available within the Harness Master & HMWS Network, with which they can engineer products and specify within their products and include in their installation kits.

JUMP START



JUMP START

COVER
(RED)
CA1996



COVER
(BLACK)
CA1533



RECEPTACLE (RED)
CH1906

**Nut, Lock Washer, & Washer: M10 Studs*



RECEPTACLE (BLACK)
CH1515

**Nut, Lock Washer, & Washer: M10 Studs*



PLUG
HMA-5601021213-01

**recommended battery cable:
1/0 - 50 sq.mm
2/0 - 70 sq.mm*

BRACKET
BR1097





DEUTSCH STD RANGE

2 WAY KIT DT-STD-2K

FEMALE PLUG
DT-STD-2P



CH1163



CA1158



x2

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-STD-2R



CH1166



CA1157



x2

TE1005
14awg
2.00mm²

3 WAY KIT DT-STD-3K

FEMALE PLUG
DT-STD-3P



CH1169



CA1198



x3

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-STD-3R



CH1172



CA1151



x3

TE1005
14awg
2.00mm²

4 WAY KIT DT-STD-4K

FEMALE PLUG
DT-STD-4P



CH1175



CA1180



x4

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-STD-4R



CH1178



CA1156



x4

TE1005
14awg
2.00mm²

6 WAY KIT DT-STD-6K

FEMALE PLUG
DT-STD-6P



CH1181



CA1182



x6

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-STD-6R



CH1184



CA1152



x6

TE1005
14awg
2.00mm²

8 WAY KIT DT-STD-8K

FEMALE PLUG
DT-STD-8P



CH1207



CA1515



x8

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-STD-8R



CH1190



CA1153



x8

TE1005
14awg
2.00mm²

12 WAY KIT DT-STD-12K

FEMALE PLUG
DT-STD-12P



CH1193



CA1197



x12

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-STD-12R



CH1197



CA1185



x12

TE1005
14awg
2.00mm²



CAT SPEC RANGE

2 WAY KIT DT-CAT-2K

FEMALE PLUG
DT-CAT-2P



CH1164



CA1175



x2

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-CAT-2R



CH1167



CA1157



x2

TE1005
14awg
2.00mm²

3 WAY KIT DT-CAT-3K

FEMALE PLUG
DT-CAT-3P



CH1170



CA1176



x3

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-CAT-3R



CH1173



CA1151



x3

TE1005
14awg
2.00mm²

4 WAY KIT DT-CAT-4K

FEMALE PLUG
DT-CAT-4P



CH1176



CA1177



x4

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-CAT-4R



CH1179



CA1156



x4

TE1005
14awg
2.00mm²

6 WAY KIT DT-CAT-6K

FEMALE PLUG
DT-CAT-6P



CH1182



CA1178



x6

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-CAT-6R



CH1185



CA1152



x6

TE1005
14awg
2.00mm²

8 WAY KIT DT-CAT-8K

FEMALE PLUG
DT-CAT-8P



CH1188



CA1195



x8

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-CAT-8R



CH1191



CA1153



x8

TE1005
14awg
2.00mm²

12 WAY KIT DT-CAT-12K

FEMALE PLUG
DT-CAT-12P



CH1195



CA1196



x12

TE1006
14awg
2.00mm²

MALE RECEPTACLE
DT-CAT-12R



CH1199



CA1185



x12

TE1005
14awg
2.00mm²



BOOT SPEC RANGE

2 WAY KIT DT-BOOT-2K

FEMALE PLUG
DT-BOOT-2P



CH1208



CA1175



x2

TE1006
14awg
2.00mm²



BO1036

MALE RECEPTACLE
DT-BOOT-2R



CH1214



CA1157



x2

TE1005
14awg
2.00mm²



BO1036

3 WAY KIT DT-BOOT-3K

FEMALE PLUG
DT-BOOT-3P



CH1209



CA1176



x3

TE1006
14awg
2.00mm²



BO1022

MALE RECEPTACLE
DT-BOOT-3R



CH1215



CA1151



x3

TE1005
14awg
2.00mm²



BO1022

4 WAY KIT DT-BOOT-4K

FEMALE PLUG
DT-BOOT-4P



CH1210



CA1177



x4

TE1006
14awg
2.00mm²



BO1022

MALE RECEPTACLE
DT-BOOT-4R



CH1216



CA1156



x4

TE1005
14awg
2.00mm²



BO1022

6 WAY KIT DT-BOOT-6K

FEMALE PLUG
DT-BOOT-6P



CH1605



CA1178



x6

TE1006
14awg
2.00mm²



BO1044

MALE RECEPTACLE
DT-BOOT-6R



CH1606



CA1152



x6

TE1005
14awg
2.00mm²



BO1044

8 WAY KIT DT-BOOT-8K

FEMALE PLUG
DT-BOOT-8P



CH1212



CA1195



x8

TE1006
14awg
2.00mm²



BO1023

MALE RECEPTACLE
DT-BOOT-8R



CH1218



CA1153



x8

TE1005
14awg
2.00mm²



BO1023

12 WAY KIT DT-BOOT-12K

FEMALE PLUG
DT-BOOT-12P



CH1213



CA1196



x12

TE1006
14awg
2.00mm²



BO1024

MALE RECEPTACLE
DT-BOOT-12R



CH1219



CA1185



x12

TE1005
14awg
2.00mm²



BO1024



MINI RANGE (DTM)

2 WAY KIT DTM-2K

FEMALE PLUG
DTM-2P



CH1165



CA1671



x2

TE1012
20-18awg
0.50-0.85mm²

MALE RECEPTACLE
DTM-2R



CH1168



CA1157



x2

TE1017
20-18awg
0.50-0.85mm²

3 WAY KIT DTM-3K

FEMALE PLUG
DTM-3P



CH1171



CA1118



x3

TE1012
20-18awg
0.50-0.85mm²

MALE RECEPTACLE
DTM-3R



CH1174



CA1151



x3

TE1017
20-18awg
0.50-0.85mm²

4 WAY KIT DTM-4K

FEMALE PLUG
DTM-4P



CH1177



CA1531



x4

TE1012
20-18awg
0.50-0.85mm²

MALE RECEPTACLE
DTM-4R



CH1180



CA1675



x4

TE1017
20-18awg
0.50-0.85mm²

6 WAY KIT DTM-6K

FEMALE PLUG
DTM-6P



CH1183



CA1155



x6

TE1012
20-18awg
0.50-0.85mm²

MALE RECEPTACLE
DTM-6R



CH1186



CA1122



x6

TE1017
20-18awg
0.50-0.85mm²

8 WAY KIT DTM-8K

FEMALE PLUG
DTM-8P



CH1189



CA1516



x8

TE1012
20-18awg
0.50-0.85mm²

MALE RECEPTACLE
DTM-8R



CH1192



CA1522



x8

TE1017
20-18awg
0.50-0.85mm²

12 WAY KIT DTM-12K

FEMALE PLUG
DTM-12P



CH1196



CA1187



x12

TE1012
20-18awg
0.50-0.85mm²

MALE RECEPTACLE
DTM-12R



CH1200



CA1149



x12

TE1017
20-18awg
0.50-0.85mm²



AMPSEAL RANGE

2 WAY KIT AMPSEAL-2K

FEMALE PLUG
AMPSEAL-2P



CH1759



x2

TE1142
14awg
2.0mm²

MALE RECEPTACLE
AMPSEAL-2R



CH1760



x2

TE1143
14awg
2.0mm²

3 WAY KIT AMPSEAL-3K

FEMALE PLUG
AMPSEAL-3P



CH1761



x3

TE1142
14awg
2.0mm²

MALE RECEPTACLE
AMPSEAL-3R



CH1762



x3

TE1143
14awg
2.0mm²

4 WAY KIT AMPSEAL-4K

FEMALE PLUG
AMPSEAL-4P



CH1763



x4

TE1142
14awg
2.0mm²

MALE RECEPTACLE
AMPSEAL-4R



CH1764



x4

TE1143
14awg
2.0mm²

6 WAY KIT AMPSEAL-6K

FEMALE PLUG
AMPSEAL-6P



CH1765



x6

TE1142
14awg
2.0mm²

MALE RECEPTACLE
AMPSEAL-6R



CH1766



x6

TE1143
14awg
2.0mm²

8 WAY KIT AMPSEAL-8K

FEMALE PLUG
AMPSEAL-8P



CH1767



x8

TE1142
14awg
2.0mm²

MALE RECEPTACLE
AMPSEAL-8R



CH1768



x8

TE1143
14awg
2.0mm²

12 WAY KIT AMPSEAL-12K

FEMALE PLUG
AMPSEAL-12P



CH1769



x12

TE1142
14awg
2.0mm²

MALE RECEPTACLE
AMPSEAL-12R



CH1770



x12

TE1143
14awg
2.0mm²



TERMINAL RANGE TO SUIT DT CONNECTORS



TE1140
DEUTSCH Contact Socket Gold
18 - 16 AWG



TE1142
DEUTSCH Contact Socket
Gold Green Band
14 AWG



TE1141
DEUTSCH Contact Pin Gold
18 - 16 AWG



TE1143
DEUTSCH Contact Pin
Gold Green Band
14 AWG



STAINLESS STEEL CLIP



PC1072
Connector Mounting Bracket
90° for Deutsch DT Series
10.0 mm x 16.0 mm panel hole
**applicable for 2, 3, 4 6 and 12 way DT*



PC1071
Connector Mounting Bracket
for Deutsch DT Series
10.0 mm to 11.0 mm panel hole
**applicable for 2, 3, 4, 6 and 12 way DT*



PC1069
Connector Mounting Bracket
for Deutsch DT Series
10.0 mm to 11.0 mm panel hole
**applicable for 8 way DT only*



PC1070
Connector Mounting Bracket
for Deutsch DT Series
12.0 mm to 13.0 mm panel hole
**applicable for 2, 3, 4, 6 and 12 way DT*



PC1087
Connector Mounting Bracket for
Connector Buss Receptacle
10mm panel hole
**applicable for hmw busbed receptacles*



REPLACEMENT PACK

 x50	RP-TE1010/50 18~16 awg 0.85mm ² -1.25mm ²
 x50	RP-TE1142/50 14 awg 2.00mm ²
 x50	RP-TE1009/50 18~16 awg 0.85mm ² -1.25mm ²

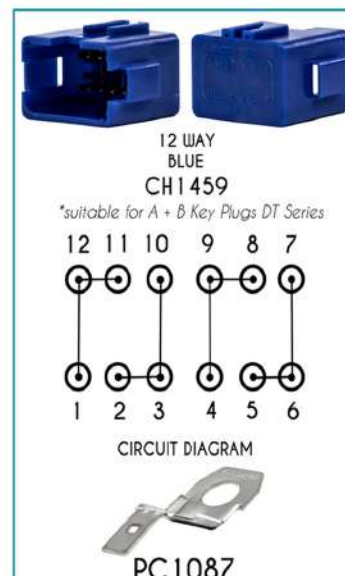
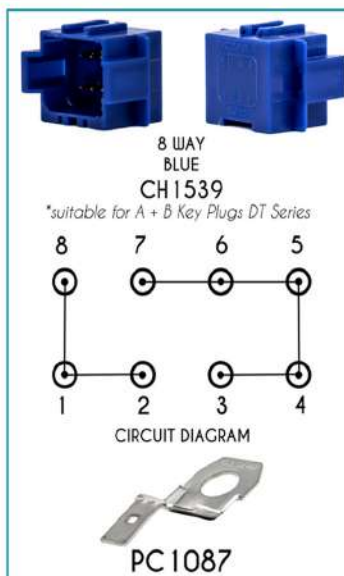
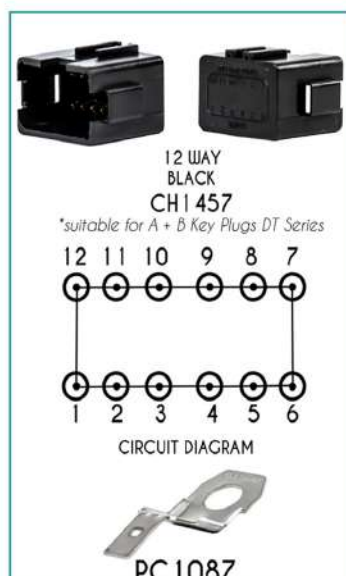
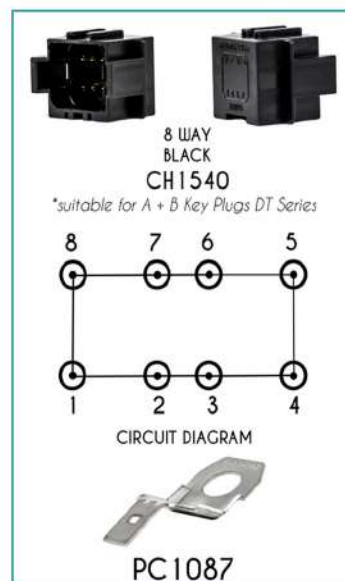
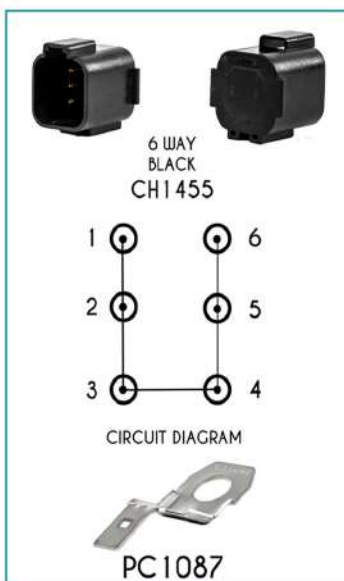
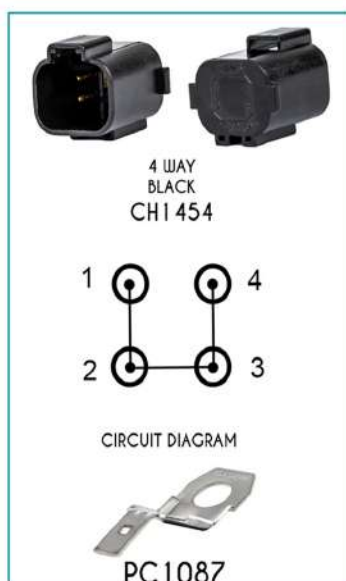
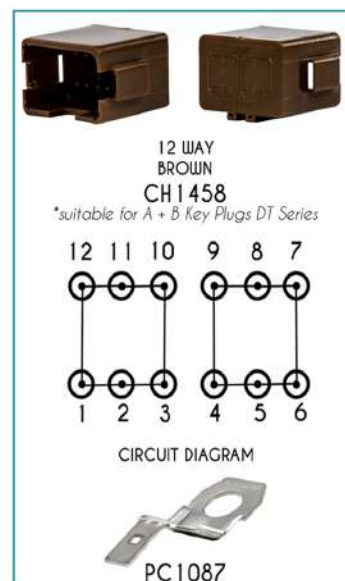
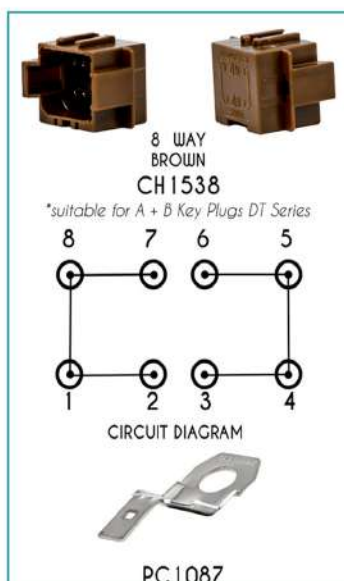
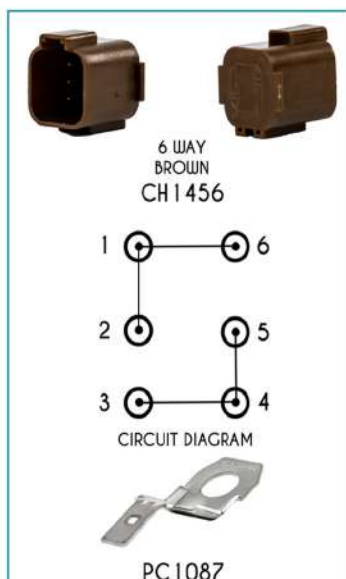
 x50	RP-TE1143/50 14 awg 2.00mm ²
 x50	RP-CA1756/50

DELPHI WEATHER PACK

1 WAY KIT DELPHI-1K		2 WAY KIT DELPHI-2K		3 WAY KIT DELPHI-3K	
FEMALE PLUG DELPHI-1P	MALE RECEPTACLE DELPHI-1R	FEMALE PLUG DELPHI-2P	MALE RECEPTACLE DELPHI-2R	FEMALE PLUG DELPHI-3P	MALE RECEPTACLE DELPHI-3R
 CH1248	 CH1249	 CH1139	 CH1140	 CH1864	 CH1865
 x1	 x1	 x2	 x2	 x3	 x3
TE1199 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1202 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1199 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1202 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1199 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1202 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²
 x1	 x1	 x2	 x2	 x3	 x3
CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²
4 WAY KIT DELPHI-4K		6 WAY KIT DELPHI-6K			
FEMALE PLUG DELPHI-4P	MALE RECEPTACLE DELPHI-4R	FEMALE PLUG DELPHI-6P	MALE RECEPTACLE DELPHI-6R		
 CH2369	 CH2358	 CH2614	 CH2615		
 x4	 x4	 x6	 x6		
TE1199 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1202 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1199 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	TE1202 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²		
 x4	 x4	 x6	 x6		
CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²	CA1052 16AWG ~ 14AWG 1.25mm ² - 2.00mm ²		



HMWS BUSSED RECEPTACLES (SUITABLE FOR DEUTSCH PLUG CONNECTORS) GOLD PLATED CONTACTS





SWITCHES

SW 1335

Temperature Switch

Circuit Form: SPST-NC

Media Connection: 1/4" NPT Male Thread

Maximum Temperature : 325°F (163°C)

MATING CONNECTOR KIT

KIT PART NUMBER: MP 280-01K



CH1242



CA1037



x2
TE1073



x2
CA1052



SW 1252

Oil Pressure Switch 10 PSI N/O

Circuit Form: SPST - N.O

Media Connection: 1/8 to 27 NPT Male Thread

Temperature Range : -40°F to 250°F

MATING CONNECTOR KIT

KIT PART NUMBER: MP 280-02K



CH1241



CA1037



x2
TE1239



x2
CA1052



SW 1035

Ignition Switch Sealed

MATING CONECTOR KIT

KIT PART NUMBER: DT-CAT-6P



CH1182



CA1178



x6
TE1010



CONNECTION TABLE

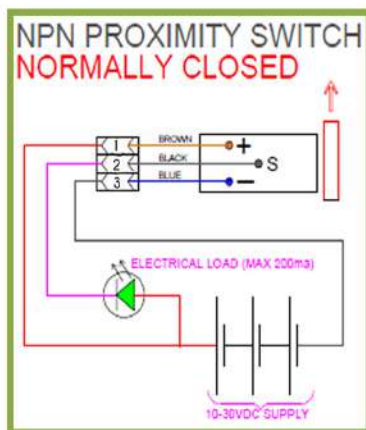
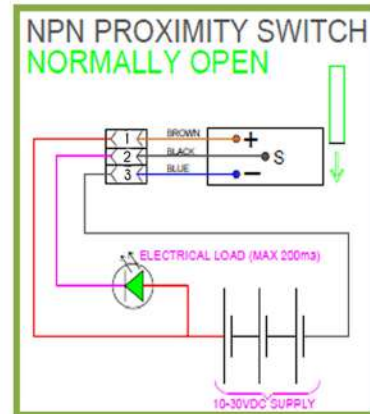
	Battery Terminals 1 and 6	Start Terminal 2	Accessory Terminal 3	Ignition Terminal 4 and 5
ACC	●		●	
OFF	●			
IGN & ACC	●		●	●
START	●	●		●

PROXIMITY SWITCHES



SW1051

Proximity Switch Assembly 30 mm NPN Normally Open
Thread Size: M30 x 1.5
Switching Capacity: 200mA
Sensing Range: 10.0 mm
Recommended Bracket: BR1021 (see page 51)



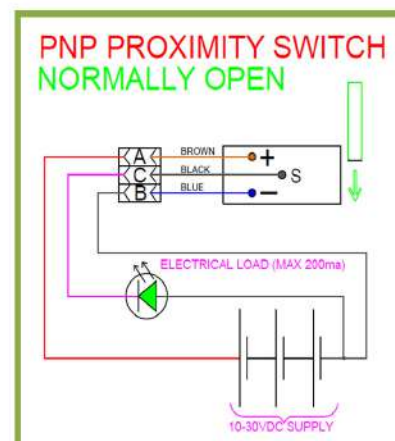
SW1030

Proximity Switch Assembly 30 mm NPN Normally Closed
Thread Size: M30 x 1.5
Switching Capacity: 200mA
Sensing Range: 12 mm
Recommended Bracket: BR1021 (see page 51)



SW1320

Proximity Switch Assembly 4 mm PNP Normally Open
Thread Size: M30 x 1.5
Switching Capacity: 200mA
Sensing Range: 10.0 mm
Recommended Bracket: BR1021 (see page 51)

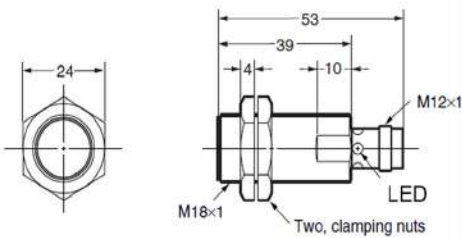


SWITCHES

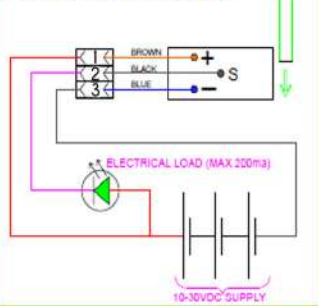


SW1274

Proximity Switch 18mm NPN Normally Open
Thread Size: M18 x 1, M12 x 1
Switching Capacity: 200mA
Sensing Range: 8.0 mm
*LED INDICATED WHEN ON



NPN PROXIMITY SWITCH NORMALLY OPEN



MATING CONNECTOR KIT



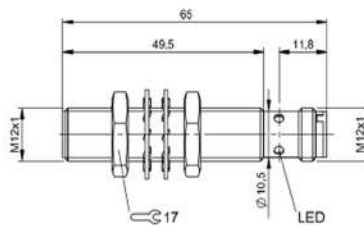
HMS-SW1093-XXX-CH1174

NOTE: XXX - LENGTH OF CABLE REQUIRED

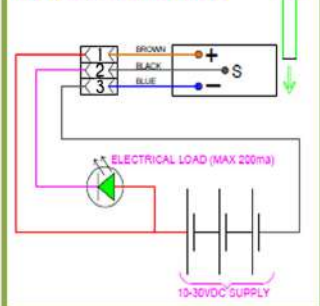


SW1329

Proximity Switch 12 mm NPN Normally Open
Thread Size: M12 x 1
Switching Capacity: 5 - 100mA
Sensing Range: 4.0 mm
*LED INDICATED WHEN ON



NPN PROXIMITY SWITCH NORMALLY OPEN



MATING CONNECTOR KIT



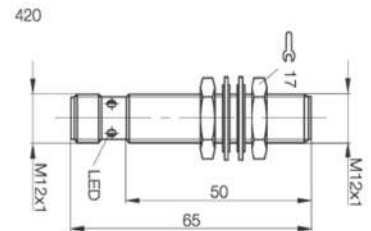
HMS-SW1093-XXX-CH1174

NOTE: XXX - LENGTH OF CABLE REQUIRED

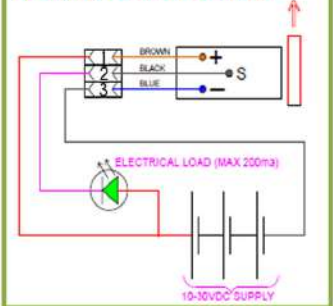


SW1092

Proximity Switch 12 mm NPN Normally Closed
Thread Size: M12 x 1
Switching Capacity: 5 - 100mA
Sensing Range: 4.0 mm
*LED INDICATED WHEN ON



NPN PROXIMITY SWITCH NORMALLY CLOSED



MATING CONNECTOR KIT

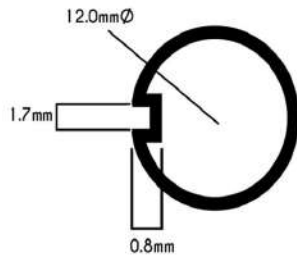


HMS-SW1093-XXX-CH1174

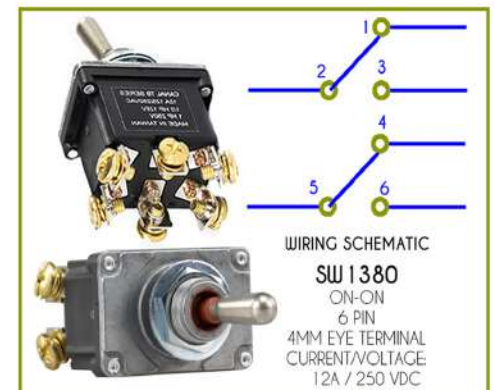
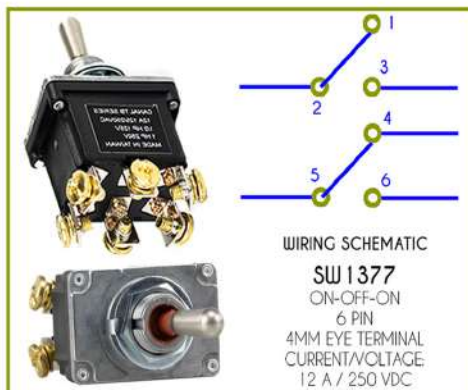
NOTE: XXX - LENGTH OF CABLE REQUIRED

TOGGLE SWITCHES

PANEL CUT OUT



MOUNTING HOLE WITH KEYWAY





UNISWITCHES

HMWS P/N SYSTEM FOR HMWS GENERIC SWITCHES

HMSW	-03S	-B2	-03	-R18	-L2
↑	↑	↑	↑	↑	↑
HARNESS MASTER SWITCH	SWITCH BODY STYLE	SWITCH ROCKER ACTUATOR STYLE	SWITCH ADAPTER BUSH STYLE	TOP LENS STYLE	BOTTOM LENS STYLE
	ON/ON - 01S ON/(ON) - 02S ON/OFF/ON - 03S (ON)/OFF/(ON) - 04S ON/OFF/(ON) - 05S NOTE: "O" MEANS MOMENTARY	SMALL L.V. BLACK ROCKER- B1 TRUCK ROCKER BLACK- B2 EURO TRUCK ROCKER BLACK - B3 SWITCH ADAPTER ISUZU ROCKER BLACK- B4 LARGE ROCKER RED- R5 EXTRA LARGE ROCKER RED- R6	PRADO - 01 L/CRUISER/HILUX - 02 SCANIA - 03 ISUZU (GENERAL) - 04 HINO - 05 VOLVO - 06 FUSO - 07 D-MAX UTE - 08 CARLING - 09 38MM X21MM HOLE - 10 MACK - 11 ISUZU GIGA - 12		



SW-01S

Connector Assy On/On Switch



SW-01U

Connector Assy On/On Switch

PART NUMBER	DESCRIPTION	SCHEMATIC SYMBOL	PART NUMBER	DESCRIPTION	SCHEMATIC SYMBOL
*SW-01S	Connector Assy On/On Switch		SW-01U	Connector Assy On/On Switch	
*SW-02S	Connector Assy On/(On) Switch		SW-02U	Connector Assy On/(On) Switch	
*SW-03S	Connector Assy On / Off / On Switch		SW-03U	Connector Assy On / Off / On Switch	
*SW-04S	Connector Assy (On) / Off / (On) Switch		SW-04U	Connector Assy (On) / Off / (On) Switch	
*SW-05S	Connector Assy On / Off / (On) Switch		SW-05U	Connector Assy On / Off / (On) Switch	

MATING CONNECTOR KIT

PART NUMBER : DTM-6R



CH1186

CA1152

TE1017

PART NUMBER : DTM-4R



CH1180

CA1675

TE1017

MATING CONNECTOR KIT

PART NUMBER : SWK-U-01



CH1903

TE1824

Note: All switches are sealed, IP67 and 12V/24V Compatible.

*** indicates connector is sealed.

ADAPTOR BUSH



SW-001
Adaptor Bush
For Uni-Switch Black
Recommended for
TOYOTA/PRADO



SW-002
Adaptor Bush For
Uni-Switch Black
Recommended for
TOYOTA/HILUX/
LAND CRUISER



SW-003
Adaptor Bush
For Uni-Switch Black
Recommended for
SCANIA



SW-005
Adaptor Bush For
Uni-Switch Black
Recommended for
HINO TRUCK



SW-009
Adaptor Bush
For Uni-Switch Black
Recommended for
CARLING/FORD RANGER

SWITCH ROCKERS ACTUATOR



COLOR	BLACK	RED	BLUE	CHROME
SIZE	PART NUMBER			
32.5X21MM	SWR-B 1	SWR-R 1	SWR-L 1	
39X19MM	SWR-B2	SWR-R2	SWR-L2	SWR-C2
42X20MM	SWR-B3	SWR-R3		
39X24MM	SWR-B4	SWR-R4	SWR-L4	
49X22MM	SWR-B5	SWR-R5	SWR-L5	
50X26MM	SWR-B6	SWR-R6	SWR-L6	



UNISWITCHES LENS



SWL-A
Blank Lens
Amber



SWL-A01
Work Light
Lens Amber



SWL-A03
LHS Work Light
Lens Amber



SWL-A04
RHS Work Light
Lens Amber



SWL-A08
Beacon Light
Lens Amber



SWL-A11
DRIVING LIGHT
@ 90 DEG AMBER



SWL-A16
Siren / Speaker
Light Lens Amber



SWL-A18
Dual Battery
Light Lens Amber



SWL-A19
Interior Lights
Lens Amber



SWL-A09
Flag Pole Light
Lens Amber



SWL-L
Blank
Lens Blue



SWL-L01
Work Light
Lens Blue



SWL-L03
LHS Work
Light Lens Blue



SWL-L04
RHS Work
Light Lens Blue



SWL-L08
Beacon
Light Blue



SWL-L09
Flag Pole
Light Blue



SWL-L16
Siren / Speaker
Light Lens Blue



SWL-L19
Interior Light
Lens Blue



SWL-B17
Blank Lens
OFF



SWL-G
Blank
Lens Green



SWL-G01
Work Light
Lens Green



SWL-G03
LHS Work
Light Lens Green



SWL-G04
RHS Work
Light Lens Green



SWL-G05
Arrow UP
Light Lens Green



SWL-G06
Arrow Down
Lens Green



SWL-G08
Beacon Light
Lens Green



SWL-G09
Flag Pole
Light Lens Green



SWL-G10
Driving Light
Lens Green



SWL-G14
Cabinet Light
Lens Green



SWL-G16
Siren / Speaker
Light Lens Green



SWL-G19
Interior Lights
Lens Green



SWL-R
Blank
Lens Red



SWL-R07
Power Take OFF
(PTO)
Light Lens Red



SWL-R12
Winch IN
Light Lens Red



SWL-R13
Winch OUT
Light Lens Red



SWL-R18
Dual Battery
Light Lens Red

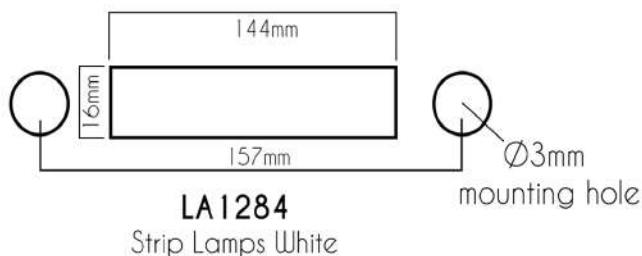
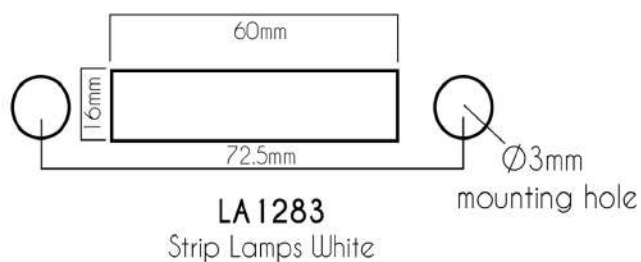
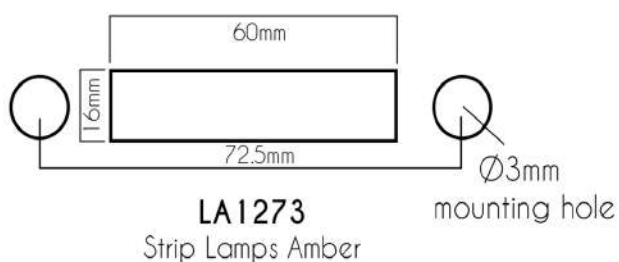


SWL-R20
Hazard Warning
Light Lens Red

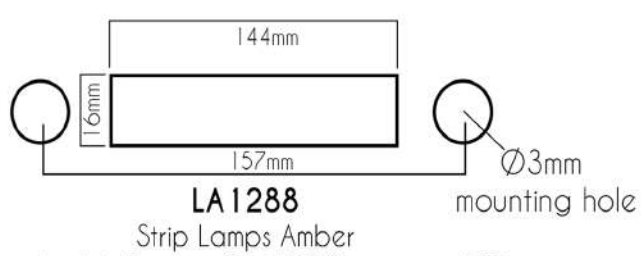
**Check Website For Latest Window Optics*



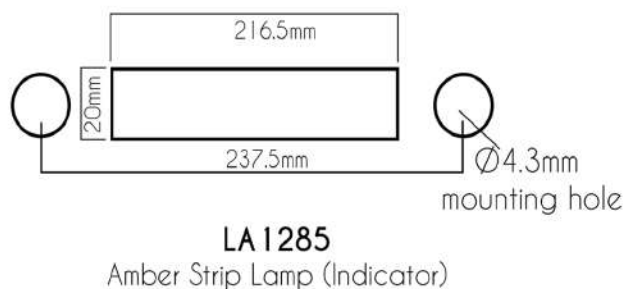
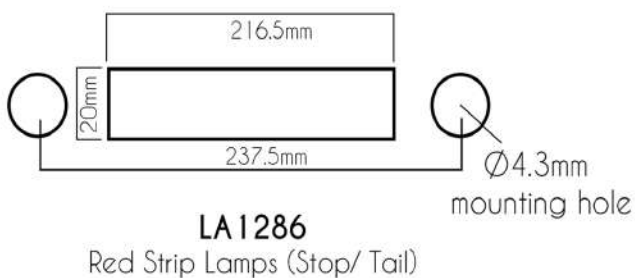
STRIP LIGHTS



*Applicable Bracket: BR1628 (see page 50)



*Applicable Bracket: BR1628 (see page 50)



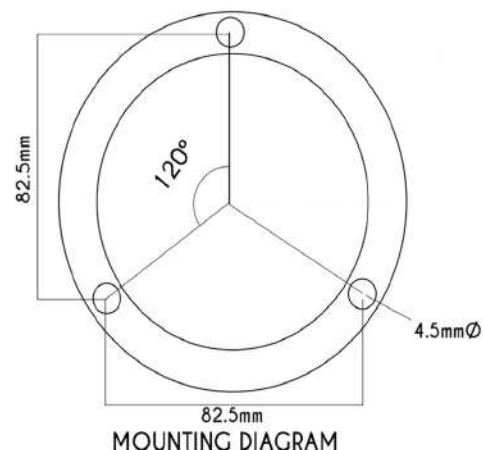


LA 1320 LED BEACON DC 10-30V

Power Rating: 10-30V DC

Height: 84mm

Class: E1 Mark R65 Class 2 and SAE Class 1



ADD-A-LIGHT ADAPTER



The Adapter has been designed with easy cost effective quality fitment in mind, utilising the common, 2 way, Deutsch DT connector which has become a favourite amongst electrical accessory fitters & lighting manufacturers around the world. This adapter makes the addition of devices to any circuit using a 2 way Deutsch DT connector into a 20 second job!

Common uses for this device includes :

- Adding additional lights.

- Adding additional radio's

- Adding additional fans

- Creating an additional power pick up point on a circuit.

- Non-destructive testing of power circuits.

3501150217-02



WORK LIGHTS



LA1032

Work Light Flood Beam
Pedestal Mount DT
OPERATING VOLTAGE : 24V
POWER RATING : 70W
IP RATING : IP67
LIGHT SOURCE : HALOGEN



LA1033

Work Light Assembly
OPERATING VOLTAGE : 24V
POWER RATING : 65W
IP RATING : IP67
LIGHT SOURCE : HALOGEN



LA1287

Vision X Work Light Assembly
OPERATING VOLTAGE : MULTIVOLT
POWER RATING : 20W
IP RATING : IP69K
LIGHT SOURCE : LED



LA1299T

Rectangular Work Light Assembly
OPERATING VOLTAGE : 10~30V
POWER RATING : 150W
IP RATING : IP68
LIGHT SOURCE : LED



LA1337

Work Light 12W CREE
OPERATING VOLTAGE : 10~60V
POWER RATING : 12W
IP RATING : IP68
LIGHT SOURCE : LED



HMS-LA1275-CH1214-250-B-X

Work Light Assembly
OPERATING VOLTAGE : 12V
POWER RATING : 17W
IP RATING : IP67
LIGHT SOURCE : LED



LA1300T

Rectangular Work Light Assembly
OPERATING VOLTAGE : 10~30V
POWER RATING : 48W
IP RATING : IP68
LIGHT SOURCE : LED



LA1305T

Round Work Light Assembly
OPERATING VOLTAGE : 10~30VDC
POWER RATING : 51W
IP RATING : IP67
LIGHT SOURCE : LED



DRIVING LIGHTS



LA 1290T

Straight Driving Light Assembly
OPERATING VOLTAGE : 10~30V
POWER RATING : 54W
IP RATING : IP68
LIGHT SOURCE : LED



LA 1292T

Straight Driving Light Assembly
OPERATING VOLTAGE : 10~30V
POWER RATING : 36W
IP RATING : IP68
LIGHT SOURCE : LED



LA 1295T

Round Driving Light Assembly
OPERATING VOLTAGE : 10~30V
POWER RATING : 96W
IP RATING : IP67
LIGHT SOURCE : LED



LA 1304T

Flush Mount Driving Light Assembly
OPERATING VOLTAGE : 10~30V
POWER RATING : 18W
IP RATING : IP67T
LIGHT SOURCE : LED



LA 1295

Driving Light Round
OPERATING VOLTAGE : 10~30V
POWER RATING : 96W
IP RATING : IP67
LIGHT SOURCE : LED



LA 1296

Driving Light Round
OPERATING VOLTAGE : 10~30V
POWER RATING : 50W
IP RATING : IP67
LIGHT SOURCE : LED



LA 1291

Driving Light Straight
OPERATING VOLTAGE : 10~30V
POWER RATING : 90W
IP RATING : IP68
LIGHT SOURCE : LED



LA 1293

Straight Driving Light
OPERATING VOLTAGE : 10~30V
POWER RATING : IP68
IP RATING : 240W
LIGHT SOURCE : LED



LA 1294

Straight Driving Light
OPERATING VOLTAGE : 10~30V
POWER RATING : IP68
IP RATING : 72W
LIGHT SOURCE : LED



STOP TAIL INDICATOR LIGHTS



LA1010

S.T.I Combination Lights Multivolt

STOP, TAIL, INDICATOR

Material: Nylon Grilamid

Colour: Amber/Red

Weight: 560 g

IP Rating: IP66, IP68

Housing Material: Nylon

Mounting: Horizontal Mounting

Light Source: LED

Physical Dimensions: 284 mm x 100 mm

Power Rating: 9W

Operating Voltage: Multivolt

Lens Spread

Power Rating (Stop) 4.4W @ 9-33V

Power Rating (Tail) 1.2W @ 9-33V

Power Rating (Indicator) 4.5W @ 9-33V

LA1011

S.T.I.R. Combination Lights Multivolt

STOP, TAIL, INDICATOR, REVERSE

Material: Nylon Grilamid

Colour: Amber/Red/White

Weight : 570 g

IP Rating : IP66, IP68

Housing Material: Nylon

Mounting: Horizontal Mounting

Light Source: LED

Physical Dimensions: 284 mm x 100 mm x 37 mm

Power Rating: 9W

Operating Voltage: Multivolt

Lens Spread

Current Rating (Stop) 0.36A @ 9-33V (4.4W)

Current Rating (Tail) 0.10A @ 9-33V (1.2W)

Current Rating (Stop) 0.36A @ 9-33V (4.5W)

Current Rating (Reverse) 0.55A @ 9-33V (6.2W)

P/N DTO4-4P-E008-W		
PIN	SIZE	COLOR
1	16	BROWN
2	16	RED
3	16	GREEN
4	16	WHITE

P/N DTM06-6S-E007-W		
PIN	SIZE	COLOR
1	18	BROWN
2	18	RED
3	18	GREEN
4	18	BLACK
5	18	WHITE
6		



FUSES

STANDARD FUSES



CB1104

Standard Blade Fuse 1A



CB1105

Standard Blade Fuse 2A



CB1036

Standard Blade Fuse 3A



CB1006

Standard Blade Fuse 5A



CB1007

Standard Blade Fuse 7.5A



CB1002

Standard Blade Fuse 10A



CB1003

Standard Blade Fuse 15A



CB1004

Standard Blade Fuse 20A



CB1012

Standard Blade Fuse 25A



CB1005

Standard Blade Fuse 30A

MINI FUSES



CB1103

Mini Blade Fuse 2A



CB1079

Mini Blade Fuse 3A



CB1041

Mini Blade Fuse 5A



CB1080

Mini Blade Fuse 7.5A



CB1037

Mini Blade Fuse 10A



CB1038

Mini Blade Fuse 15A



CB1039

Mini Blade Fuse 20A



CB1059

Mini Blade Fuse 25A



CB1040

Mini Blade Fuse 30A



MAXI FUSES



CB1097
Maxi Blade Fuse 20A



CB1096
Maxi Blade Fuse 25A



CB1095
Maxi Blade Fuse 30A



CB1094
Maxi Blade Fuse 35A



CB1093
Maxi Blade Fuse 40A



CB1092
Maxi Blade Fuse 50A



CB1091
Maxi Blade Fuse 60A

CIRCUIT BREAKERS (BUSSMAN STYLE)



CB1076
Mini Blade
Circuit Breaker
Alternate Reset
7.5A Sealed
12 volts



CB1069
Mini Blade
Circuit Breaker
Alternate Reset
10A Sealed
12 volts



CB1070
Mini Blade
Circuit Breaker
Alternate Reset
15A Sealed
12 volts



CB1071
Mini Blade
Circuit Breaker
Alternate Reset
20A Sealed
12 volts



CB1088
Mini Blade
Circuit Breaker
Alternate Reset
25A Sealed
12 volts



CB1140
Circuit Breaker 5A
12 & 24 Volts
Compatible



CB1141
Circuit Breaker 7.5A
12 & 24 Volts
Compatible



CB1138
Circuit Breaker 10A
12 & 24 Volts
Compatible



CB1142
Circuit Breaker 15A
12 & 24 Volts
Compatible



CB1139
Circuit Breaker 20A
12 & 24 Volts
Compatible



CB1143
Circuit Breaker 25A
12 & 24 Volts
Compatible



CIRCUIT BREAKERS

CIRCUIT BREAKERS 18 SERIES



CB1149

Circuit Breaker
Manual Reset

Mounting: #10 eyelet
hole with attached
self locking nut
5A Sealed



CB1148

Circuit Breaker
Manual Reset

Mounting: #10 eyelet
hole with attached
self locking nut
10A Sealed



CB1152

Circuit Breaker
Manual Reset

Mounting: #10 eyelet
hole with attached
self locking nut
15A Sealed



CB1137

Circuit Breaker
Manual Reset

Mounting: #10 eyelet
hole with attached
self locking nut
20A Sealed



CB1133

Circuit Breaker
Manual Reset

Mounting: #10 eyelet
hole with attached
self locking nut
25A Sealed



CB1134

Circuit Breaker
Manual Reset

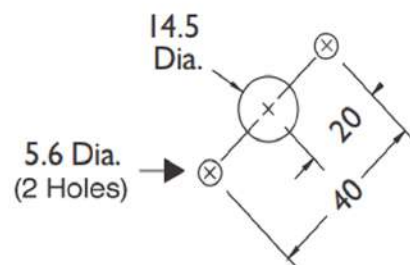
Mounting: #10 eyelet
hole with attached
self locking nut
30A Sealed



CB1135

Circuit Breaker
Manual Reset

Mounting: #10 eyelet
hole with attached
self locking nut
35A Sealed



MOUNTING HOLE LAYOUT
*M4 Screws

CIRCUIT BREAKERS 19 SERIES



CB1127

Circuit Breaker
Manual Reset
35A Sealed



CB1163

Circuit Breaker
Manual Reset
50A Sealed



CB1106

Circuit Breaker
Manual Reset
60A Sealed



CB1160

Circuit Breaker
Manual Reset
100A Sealed



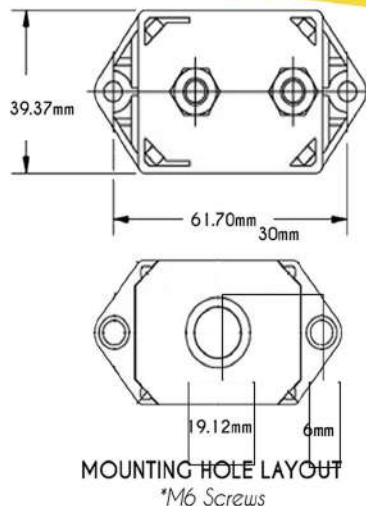
CB1087
Circuit Breaker
Manual Reset
120A Sealed



CB1117
Circuit Breaker
Manual Reset
150A Sealed



CB1136
Circuit Breaker
Manual Reset
200A Sealed



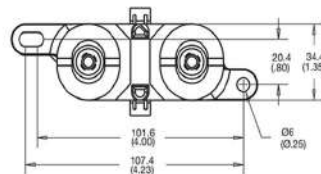
MEGA FUSES AND MOUNTS



CB1114
Fuse 500 AMP



CB1113
Fuse Holder



CB1159
Fuse 200 AMP



CB1158
Fuse Holder



CB1173
Sealed Mega Fuse Holder



WIRES AND CABLES



TXL

Conductor: Bare Copper
Insulation: Cross Linked Polyethylene (XLPE)
Temperature Rating: -51°C to +125°C
Voltage: 50 volts
Wall Thickness: Extra Thin Wall
Specifications: SAE, Ford, Chrysler

WIRE SIZE	14 AWG 2.0mm ²	16 AWG 1.25mm ²	18 AWG 0.85mm ²	20 AWG 0.50mm ²
WIRE COLOR	PART NUMBER			
RED(R)	WI1922	WI2033	WI1926	WI2138
ORANGE(O)	WI2091	WI2043	WI1930	WI2142
YELLOW(Y)	WI2088	WI2042	WI1927	WI2139
GREEN(G)	WI2090	WI1924	WI1929	WI2141
BLUE(L)	WI1960	WI1957	WI1933	WI2145
VIOLET(V)	WI2092	WI2087	WI1931	WI2143
PINK(P)	WI2089	WI1923	WI1928	WI2140
WHITE(W)	WI2095	WI2034	WI1935	WI2147
GRAY(S)	WI2093	WI2086	WI1932	WI2144
BROWN(N)	WI2094	WI1925	WI1934	WI2146
BLACK(B)	WI1959	WI1958	WI1936	WI2148

*Visit website for trace colors. (69 trace colors in stock available)
*Sold in 30, 100, & 200 meters.

TRACE COLORS

YR	YL	YV	YS	YP	YW	YB	YG	RY	RL	RS	RW	RB	RG	LY
LR	LS	LW	LO	LB	LG	VY	VL	VW	VB	VG	SR	SL	SW	SB
SG	PY	PS	PW	PB	PG	WY	WR	WL	WV	WP	WO	WB	WG	WN
OL	OW	OB	OG	BY	BR	BL	BS	BP	BW	BO	BG	GY	GR	GL
GV	GW	GB	NY	NR	NL	NW	NB	NG						

*All these trace colors are available in txl and gxl in 14AWG, 16AWG, 18AWG & 20AWG.

GXL

Conductor: Tinned Copper
Insulation: Cross Linked Polyethylene (XLPE)
Temperature Rating: -51°C to +125°C
Voltage: 50 volts
Wall Thickness: Thin Wall
Specifications: SAE, Ford, Chrysler

WIRE SIZE	12 AWG 3.0mm ²	14 AWG 2.0mm ²	16 AWG 1.25mm ²	18 AWG 0.85mm ²	20 AWG 0.50mm ²
WIRE COLOR	PART NUMBER				
RED(R)	WI1051	WI1062	WI1073	WI1084	WI1095
ORANGE(O)	WI1055	WI1066	WI1077	WI1088	WI1099
YELLOW(Y)	WI1052	WI1063	WI1074	WI1085	WI1096
GREEN(G)	WI1054	WI1065	WI1076	WI1087	WI1098
BLUE(L)	WI1057	WI1068	WI1079	WI1090	WI1101
VIOLET(V)	WI1056	WI1067	WI1078	WI1089	WI1100
PINK(P)	WI1053	WI1064	WI1075	WI1086	WI1097
WHITE(W)	WI1060	WI1071	WI1082	WI1093	WI1104
GRAY(S)	WI1058	WI1069	WI1080	WI1091	WI1102
BROWN(N)	WI1059	WI1070	WI1081	WI1092	WI1103
BLACK(B)	WI1061	WI1072	WI1083	WI1094	WI1105

*Visit website for trace colors. (69 trace colors in stock available)
*Sold in 30, 100, & 200 meters.

HOW TO ORDER:

example:

WI1922-100



ITEM CODE



LENGTH(METERS)
*SOLD IN 30,
100 & 200 METERS

VARPREN

Conductor: Tinned Copper
Insulation: Varpren
Temperature Rating: -50 °C to +155 °C.
Rated Voltage: 600/1000 volts

WIRE SIZE	10 AWG 5.0mm ²	12 AWG 3.0mm ²	14 AWG 2.0mm ²	16 AWG 1.25mm ²	18 AWG 0.85mm ²	20 AWG 0.50mm ²
WIRE COLOR	PART NUMBER					
RED(R)	WI2040	WI2038	WI1996	WI2007	WI2018	WI2186
ORANGE(O)			WI2002	WI2013	WI2024	WI2187
YELLOW(Y)		WI2046	WI2004	WI2015	WI2026	WI2184
GREEN(G)			WI1999	WI2010	WI2021	WI2192
BLUE(L)			WI2001	WI2012	WI2023	WI2185
VIOLET(V)			WI1998	WI2009	WI2020	WI2191
PINK(P)			WI2006	WI2017	WI2028	WI2194
WHITE(W)	WI2045	WI2044	WI1997	WI2008	WI2019	WI2189
GRAY(S)			WI2000	WI2011	WI2022	WI2193
BROWN(N)			WI2005	WI2016	WI2027	WI2190
BLACK(B)	WI2041	WI2039	WI2003	WI2014	WI2025	WI2188

*Sold in 30, 100, & 200 meters





BATTERY CABLES



WI1001

Battery Cable Black 1AWG
Bare Copper SGX
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**



WI1002

Battery Cable Red 1AWG
Bare Copper SGX
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**



WI1003

Battery Cable Black 1/0 AWG
Bare Copper SGX
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**



WI1004

Battery Cable 1/0 AWG
Bare Copper SGX
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**



WI1005

Battery Cable 2/0 AWG
Bare Copper SGX
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**



WI1006

Battery Cable 2/0 AWG
Bare Copper SGX
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**



CAB1017

Battery Cable 95mm²
(3/0 AWG Black)
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**



CAB1018

Battery Cable 95mm²
(3/0 AWG Red)
Temperature Range :
125 °C
***SOLD PER METER**



CAB1019

Battery Cable 120mm²
(4/0 AWG Black SGX)
Temperature Range :
-40 °C - +125 °C
***SOLD PER METER**

WIRES AND CABLES



CAB1020

Battery Cable 95mm²
(4/0 AWG Red)

Temperature Range : -40 °C - +125 °C

***SOLD PER METER**



WI1034-30

Battery Cable
(8 AWG Violet)

Temperature Range : 125 °C

***SOLD IN 30 METERS SPOOL**



WI1039-30

Battery Cable
(8 AWG Black)

Temperature Range : 125 °C

***SOLD IN 30 METERS SPOOL**



WI1031-30

Battery Cable
(8 AWG Pink)

Temperature Range : 125 °C

***SOLD IN 30 METERS SPOOL**



WI1033-30

Battery Cable
(8 AWG Orange)

Temperature Range : 125 °C

***SOLD IN 30 METERS SPOOL**



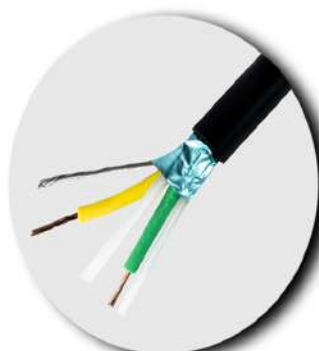
WI1038-30

Battery Cable
(8AWG White)

Temperature Range : 125 °C

***SOLD IN 30 METERS SPOOL**

MULTICORE

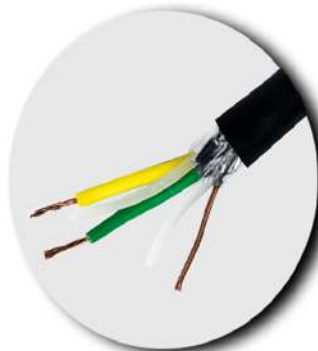


CAB1061

Data Cable 18AWG/2C

Temperature Range : -40 °C - +125 °C

***SOLD PER METER**



CAB1070

Data Cable 20AWG

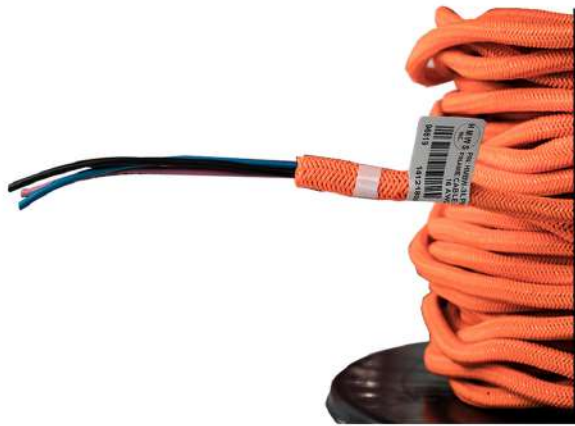
Temperature Range : -40 °C - +125 °C

***SOLD PER METER**

**see website for other battery and multicore cables.*



BRAIDED WIRES



HOW TO ORDER:

HMBW - 4WRBG - 14 - V - BYH50

NUMBER OF CORES
 COLOURS OF CORES
 GAUGE OF CORES
 TYPE OF WIRES/CORE
 BRAID COLOUR
 TRACE COLOUR
 BRAID SPEC
 LENGTH

NUMBER OF CORES	COLOUR OF CORES (LEGEND)	GAUGE OF CORES (LEGEND)	TYPES OF WIRES/CORES (LEGEND)	BRAID COLOUR (LEGEND)
2	BLACK(B)	14AWG(14)	GXL(X)	RED(R)
3	GREEN(G)	16AWG(16)	VARPREN(V)	GREEN(G)
4	BLUE(L)	18AWG(18)		BLACK(B)
5	BROWN(N)			YELLOW(Y)
6	ORANGE(O)			BLUE(L)
8	PINK(P)			CAT GOLD(C)
12	SILVER(S)			ORANGE(O)
	VIOLET(V)			
	WHITE(W)			
	YELLOW(Y)			



TRACE COLORS (LEGEND)	BRAID SPEC (LEGEND)	LENGTH (LEGEND)
RED(R)	THIN WALL (T)	30M(30)
GREEN(G)	STANDARD 1.0MM(G)	50M(50)
BLACK(B)	HIGH PERFORMANCE(H)	100M(100)
YELLOW(Y)		200M(200)
BLUE(L)		300M(300)
CAT GOLD(C)		
ORANGE(O)		



FEED THROUGH, INSULATION STUDS & RUBBER MOUNTS



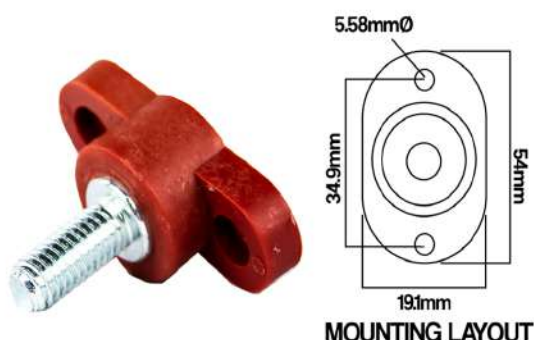
HW1001

Electrical Terminal Stud 1/2"-13 Red



HW1002

Electrical Terminal Stud 1/2" 13 Black



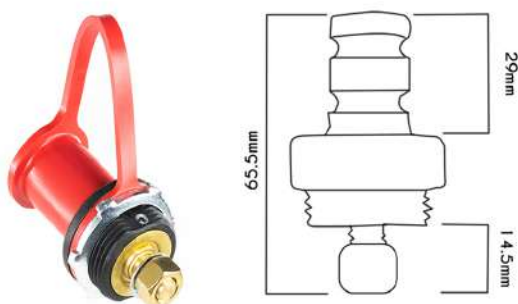
HW1040

Single Junction Stud 3/8"-16 Red



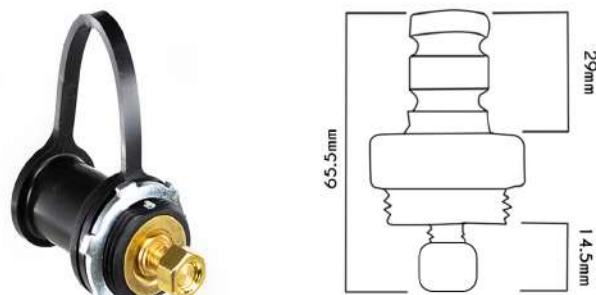
HW1039

Single Junction Stud 3/8"-16 Black



HW2250

Terminal Block Stud Jumper Red

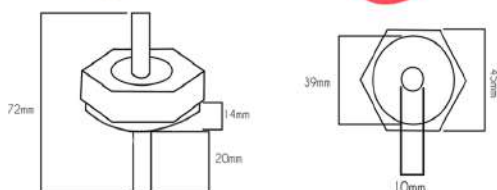


HW2249

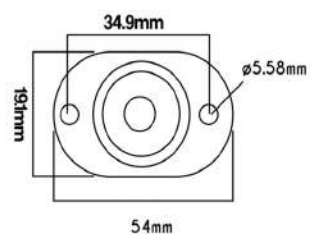
Terminal Block Stud Jumper Black



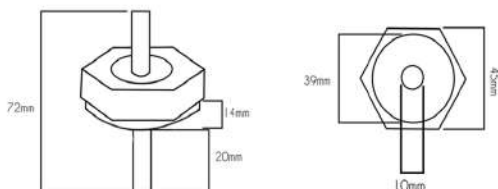
SAFETY PRODUCTS



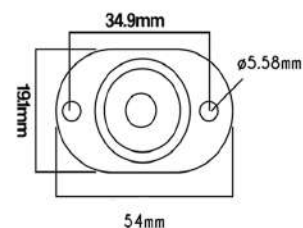
HW2246
Pass Through Stud Kit
3/8"-16 Red



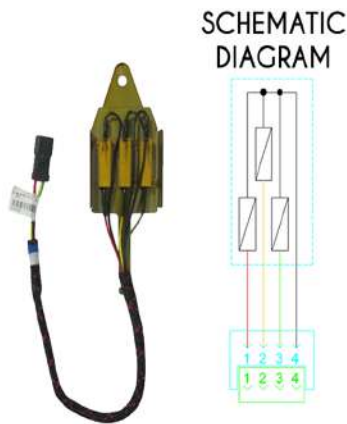
HW1962
Terminal Stud 3/8"-16 Black



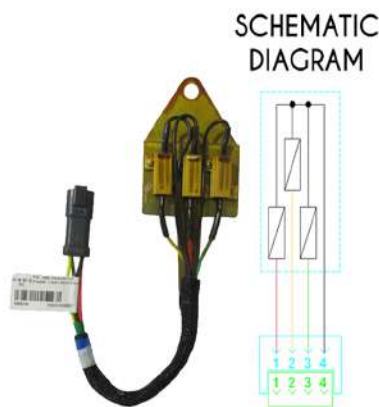
HW2247
Pass Through Stud Kit
3/8"-16 Black



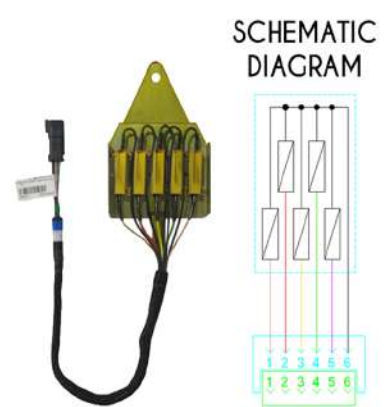
HW1406
Terminal Stud 3/8"-16 Red



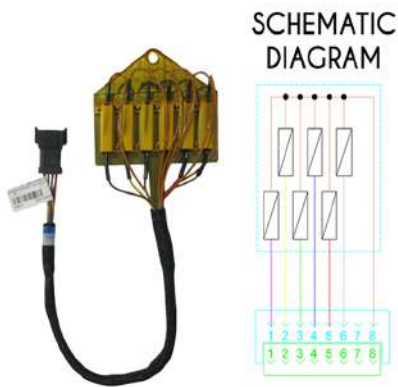
HME-5701110814-01
3 Way Resistor Pack Assembly(12V)



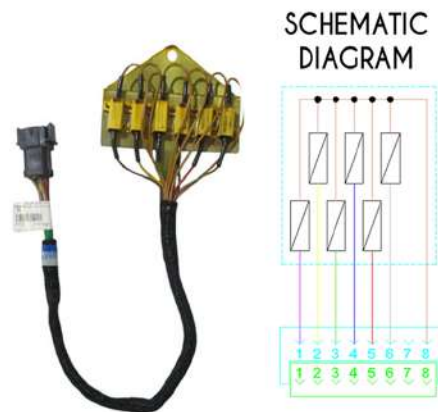
HME-3303030413-02
3 Way Resistor Pack Assembly(24V)



HME-3304030413-02
5 Way Resistor Pack Assembly(24V)



HME-2601090513-01
6 Way Resistor Pack Assembly (12V)



HME-3314030413-02
6 Way Resistor Pack Assembly (24V)

RESISTOR VALUES

RESISTOR PACKS	ITEM CODE	QTY	OHMS	WATTS
HME-5701110814	MI1027	3	10	50
HME-3303030413-02	MI1002	3	33	25
HME-3304030413-02	MI1027	5	10	50
HME-2601090513-01	MI1044	6	27	50
HME-3314030413-02	MI1038	1	120	25
	MI1039	1	68	25
	MI1040	1	56	25
	MI1041	1	39	25
	MI1042	1	27	25
	MI1043	1	0.33	25

MATING CONNECTOR KIT

PART NO.	MATING CONNECTOR	WEDGE	TERMINAL(QTY)
DT-CAT-4P	CH1176	CA1177	TE1006(4)
DT-CAT-4P	CH1176	CA1177	TE1006(4)
DT-CAT-6P	CH1182	CA1178	TE1006(6)
DT-CAT-8P	CH1188	CA1195	TE1006(8)
DT-CAT-8P	CH1188	CA1195	TE1006(8)

TERMINAL INSULATORS



BATTERY TERMINAL INSULATORS - 90° LEAD

PART NUMBER	COLOR	TYPE	WIRE SIZE (mm ²)	FIGURE
BO 1078	BLACK	RIGHT HAND HEAVY DUTY	18	1
BO 1079	RED	RIGHT HAND HEAVY DUTY	18	1
BO 1080	RED	LEFT HAND HEAVY DUTY	18	2
BO 1081	BLACK	LEFT HAND HEAVY DUTY	18	2

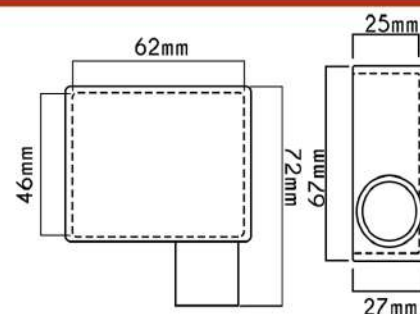


Figure 1

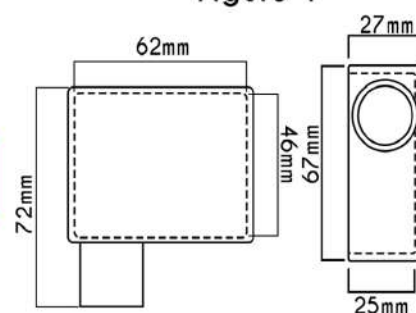
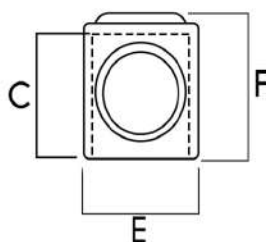
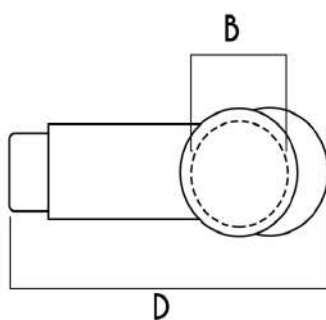


Figure 2



TERMINAL INSULATORS - 200 SERIES

PART NUMBER	COLOR	TYPE	WIRE SIZE (mm ²)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
BO 1002	BLACK	HEAVY DUTY	20-24	34	38	86	38	41
BO 1006	BLACK	HEAVY DUTY	14-18	26	31	89	30	33
BO 1007	BLACK	MEDIUM DUTY	4-6	18	22	63	21	24
BO 1008	BLACK	STANDARD DUTY	3-6	13	19	54	18	22
BO 1009	RED	HEAVY DUTY	20-24	34	38	86	38	41
BO 1010	RED	HEAVY DUTY	14-18	26	31	89	30	33
BO 1011	RED	MEDIUM DUTY	8-14	18	22	63	21	24
BO 1012	RED	STANDARD DUTY	3-6	13	19	54	18	22



BATTERY MASTER SWITCH



SW1355
Battery Master Switch
Single Pole 250A



SW1048
Rotary Switch ON/OFF
Watts/Amp Rating:
250A Continuous /
2500A 5 Seconds
(24V) All Contacts



SW1029
Rotary Switch ON/OFF
LARGE STUDS: 125A continuous,
800A intermittent.
SMALL STUDS: 20A continuous,
15 seconds ON, 5 minutes OFF.

LOCK OUTS



SW1049
Lockout Red
**Recommended Switch : SW1048*



HW1029
Lockout Red
**Recommended Switch : SW1029*



BR1325
Red Cole Hearse Lockout



SW1050
Lockout Yellow.
**Recommended Switch : SW1048*



HW1030
Lockout Yellow
**Recommended Switch : SW1029*



BR1326
Yellow Cole Hearse Lockout



BR2971
Alternative Lockout
Yellow



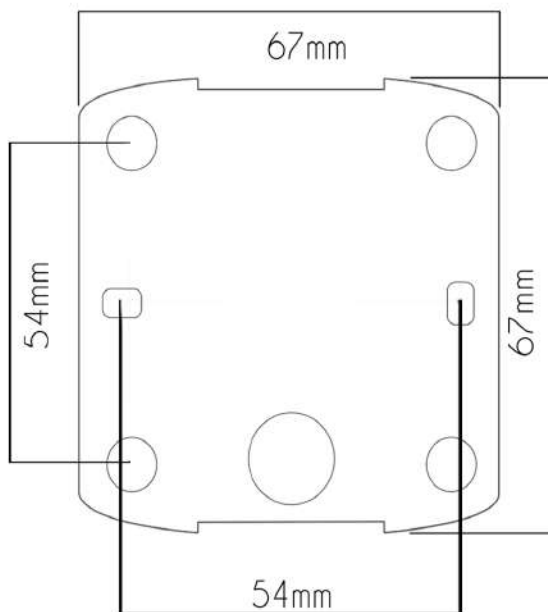
BR2970
Alternative Lockout
Red



E-STOP



SW 1039
E-Stop Switch

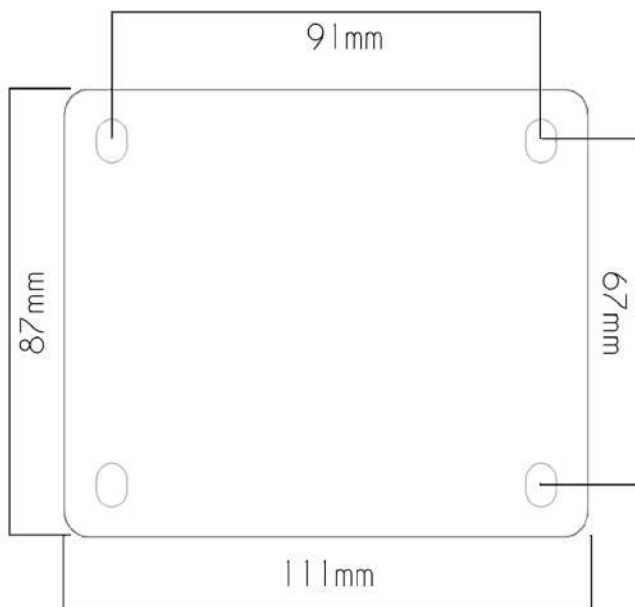


MOUNTING LAYOUT FOOTPRINT

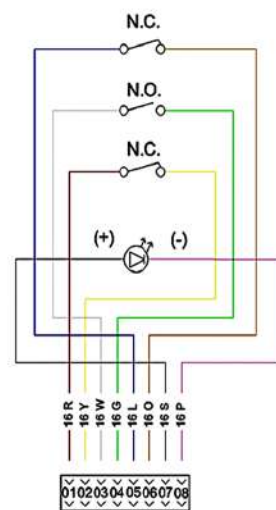
- *Included 1 N.C. Contact
- *Additional Contacts:
N.O. : SW1057
N.C. : SW1251
- *Recommended Gland : CA1985
(See website for gland and additional contacts.)



HME-5601121213-06
Mine E-Stop (12-24V)



MOUNTING LAYOUT FOOTPRINT



MAXIMUM
CONTACT
RATING:10A



MINI



RE1020
Relay 12VDC
Coil Current : 133mA
Contact Rating:
40A / 30A 14VDC
Changeover Mini Sealed
896 Series



RE1048
Relay 12VDC
Coil Current : 133mA
Contact Rating:
2x15A 14VDC
Standard Mini Sealed
896 Series



RE1010
Relay 24VDC
Coil Current : 66.7mA
Contact Rating:
20A / 15A 28VDC
Changeover Mini Sealed
896 Series



RE1049
Relay 24VDC
Coil Current : 66.7mA
Contact Rating:
2x15A 14VDC
Standard Mini Sealed
896 Series

RECOMMENDED CONNECTOR KIT

PART NUMBER : RLY-01S-KIT



CH3194



CA2586



CA2509



TE2115



CA2508

RECOMMENDED CONNECTOR KIT

PART NUMBER : RLY-02S-KIT



RE1022



TE1066



CA1756



CA1753



TE1065

RECOMMENDED CONNECTOR KIT

PART NUMBER : RLY-01U-KIT



RE1012



TE1255



RE1006
Relay 24VDC
Coil Current :66.7mA
Contact Rating:
40A / 30A 14VDC
Changeover Mini 896 Series



RE1009
Relay 24VDC
Coil Current : 66.7mA
Contact Rating:
20x15A 14VDC
Standard Mini 896 Series



RE1005
Relay 12VDC
Coil Current : 133mA
Contact Rating:
40A / 30A 28VDC
Changeover Mini 896 Series



RE1008
Relay 12VDC
Coil Current : 133mA
Contact Rating:
2x15A 14VDC
Standard Mini 896 Series

SOLENOIDS



RE1045
Relay 12VDC Solenoid

Part Number	Coil Voltage	Contacts	Circuitry	Mounting Holes	Contact Rating
RE1045	12VDC	Normally Open	SPST	7.9mm X 15.1mm	200A
RE1058	24VDC	Normally Open	SPST	7.9mm X 15.1mm	200A
RE1084	24VDC	Normally Open	SPST	7.9mm X 15.1mm	120A



RE1064
Normally Open 5 Pin Resistor Protected Relay
Coil Current: 12V
Contact Rating: 40A
Contact Rated Voltage Drop: 15/200mV



RE1077
Relay 12VDC
Coil Current:133 mA
Contact Rating: 70A 14VDC



RE1086
Relay 24VDC
Contact Rating: 70A

MICRO RELAYS



RE1043
Relay 12VDC
Coil Current: 80mA
Contact Rating:
14A 12VDC
Standard Sub-Micro
303 Series



RE1042
Relay 24VDC
Coil Current: 40mA
Contact Rating:
10A 28VDC
Standard Sub-Micro
303 Series



RE1019
Relay 12VDC
Coil Current: 97.5mA
Contact Rating:
35A / 20A 14VDC
Changeover Sub-Micro
301 Series



RE1001
Relay 24VDC
Coil Current: 49.6mA
Contact Rating:
15A / 10A 28VDC
Changeover Sub-Micro
301 Series



RE1050
Relay 12VDC
Coil Current: 97.5mA
Contact Rating:
35A / 20A 14VDC
Standard Micro
871 Series



RE1007
Relay 24VDC
Coil Current: 49.6mA
Contact Rating:
15A / 10A 28VDC
Changeover Micro Sealed
871 Series

SUITABLE MOUNTING DEVICES

PART NUMBERS	DESCRIPTION
CH1894	Connector Male and Female 4 way Sealed
CH1884	Fuse Holder Female 18 Way
CH1783	Connector Female 8 way 32006 Series Sealed(Brown)
CH1782	Connector Female 8 way 32006 Series Sealed (Blue)
CH1781	Connector Female 8 way 32006 Series Sealed(Green)
CH1780	Connector Female 8 way 32006 Series Sealed(Gray)
CH1779	Connector Female 8 way 32006 Series Sealed(Black)
CH1882	Connector Female 50 way 280 Series Sealed
CH1880	Connector Female 40 way 280 Series Sealed
CH1883	Connector Female 60 way Fuse Holder Sealed
CH1881	Connector Female 60 Way
CH3001	Connector Female 8 Way 32006 Series Sealed(Red)
CH3002	Connector Female 8 Way 32006 Series Sealed(Orange)
CH3000	Connector Female 8 Way 32006 Series Sealed(Yellow)
CH2726	Connector Female 24 way Sealed
CH2727	Connector Female 48 way Sealed
CH2705	Connector Female 84 way Sealed
CH3128	Connector Female 62 Way Sealed
CH2833	Connector Female 140 Way Sealed

RECOMMENDED CONNECTOR KIT

PART NUMBER : RLY-02U-KIT



RE1004



x3
TE1671



x2
TE1255



BRIC BASE



CH2726

Connector Female 24 way
Wire Gauge: 24 to 12
IP67



CA2403

Connector Cover 24 way



CH2727

Connector Female 48 way
Wire Gauge: 24 to 12
IP67



CH2405

Connector Cover 48 way



CH3128

Connector Female 62 way
Wire Gauge: 24 to 12
IP67



CH2424

Connector Cover



CH2705

Connector Female 84 way
Wire Gauge: 24 to 12
IP67



CH2424

Connector Cover

POWER DISTRIBUTION MODULE



CH1894

Connector Male and Female
4 way Sealed



CH1884

Fuse Holder
Female 18 Way

*See website for related parts.

*Fuses and Relays are not included with these items. See page 25 for fuses and page 39 for relays.



32006 SERIES



CH1779
Connector Female
8 Way Sealed

RELATED PARTS



x8

TE1052



x8

TE1239



CA1723



CA2011



CA1720

**See website for related parts.*

DEVICE MOUNTINGS 280 SERIES



CH1880
Connector Female 40 way
280 Series Sealed
Wire Gauge: 20 to 14
IP66



CH1882
Connector Female 50 way
280 Series Sealed
Wire Gauge: 20 to 14
IP66



CH1881
Connector Female 60 way
Wire Gauge: 20 to 12
IP66/IP67

**Fuses and Relays are not included with the item. See page 25 for fuses and page 39 for relays.*



REVERSE ALARM



AL1018-ST

Back Alarm
IP67
12-24VDC
97dB
Mounting Dimension: 84.0mm



AL1019

Reversing and Warning Alarm
IP68
12-24VDC
102dB,
Dual Tone
Mounting Dimension: 80.0 mm



AL1018

Broad Band Sound Reversing Alarm
IP67
12-24VDC
77-102dB
Mounting Dimensions: 84.0 mm



HMS-RA-001

Reverse Alarm Kit
IP67
12-24VDC
97-107-112dB
Deutsch DT Connector: CH1167
Mounting Dimensions: 152mm
***Mounting Bracket : BR1022**



AL1001

Buzzer, Piezo / Alarm Buzzer
IP68
6-28VDC
80dB to 95dB
Mounting Dimensions: 31.0 mm hole
***Mounting Bracket: BR1015 / BR1016**



AL1010

Auto Sensing Back Alarm
IP67
12-24VDC
77-102dB
Mounting Dimensions: 84.0 mm



P-CLAMPS

316 Stainless Steel

PART NUMBER	CLAMP DIAMETER	MOUNTING HOLE DIAMETER	PART NUMBER	CLAMP DIAMETER	MOUNTING HOLE DIAMETER
PC1006	6MM	10MM	PC1018	18MM	10MM
PC1008	8MM	10MM	PC1019	19MM	10MM
PC1010	10MM	10MM	PC1020	20MM	10MM
PC1011	11MM	10MM	PC1021	21MM	10MM
PC1012	12MM	10MM	PC1022	22MM	10MM
PC1013	13MM	10MM	PC1025	25MM	10MM
PC1014	14MM	10MM	PC1027	27MM	10MM
PC1015	15MM	10MM	PC1029	29MM	10MM
PC1016	16MM	10MM	PC1032	32MM	10MM
PC1017	17MM	10MM	PC1035	35MM	10MM



PC1098

Single Opening Cable Tie Holder
Bolt Hole Diameter: 12MM

*Sold in multiples of 50

RATCHET CABLE CLAMPS

RATCHET CABLE CLAMPS SPECIFICATIONS

MATERIAL :

Polyamide 6.6, high impact modified, heat and UV stabilised (PA66HIRHSUV), Steel (ST), Zinc plated (ZN)

OPERATING TEMPERATURE :

-40°C to +125°C, (+150°C, 240 h)

FLAMMABILITY :

UL 94 HB

BOLT HOLE :

M10

RUBBER INSERTS SPECIFICATIONS

MATERIAL :

Polyamide 6.6, high impact modified, heat and UV stabilised (PA66HIRHSUV)

OPERATING TEMPERATURE :

-40°C to +105°C

FLAMMABILITY :

UL 94 HB

TENSION TAB CLIP SPECIFICATIONS

MATERIAL :

Thermoplastic Elastomer (TPE)

OPERATING TEMPERATURE :

-40°C to +90°C

FLAMMABILITY :

UL 94 HB



PC1115-AS

RATCHETING P-CLAMPS
6.2-12.7MM DIA, M10



PC1116-AS

RATCHETING P-CLAMPS
12.7-19.5MM DIA, M10



PC1117-AS

RATCHETING P-CLAMPS
19.5-36MM DIA, M10



PC1118-AS

RATCHETING P-CLAMPS
36-51MM DIA, M10



WIRE COVERING

HEAVY DUTY FIBERGLASS SLEEVING



TB1101
4mm (5/32")
Modified PVC Resin Coating
Operating Temp: 130°C



TB1102
6mm (1/4")
Modified PVC Resin Coating
Operating Temp: 130°C



TB1103
8mm (5/16")
Modified PVC Resin Coating
Operating Temp: 130°C



TB1104
10mm (3/8")
Modified PVC Resin Coating
Operating Temp: 130°C



TB1105
12mm (1/2")
Modified PVC Resin Coating
Operating Temp: 130°C



TB1106
16mm (5/8")
Modified PVC Resin Coating
Operating Temp: 130°C



TB1107
20mm (3/4")
Modified PVC Resin Coating
Operating Temp: 130°C

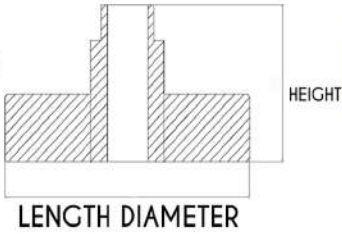


***SOLD BY THE METER - MINIMUM ORDER LENGTH IS 10 METERS**

MAGNETS



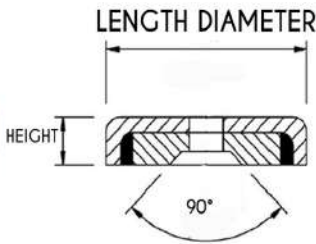
Rare Earth Magnet
A3 Steel Plate With Nickel Coating



PART NUMBER	LENGTH DIAMETER	HEIGHT	VERTICAL PULL FORCE
HW2288	48MM	30MM	<=80kgs
HW2289	60MM	30MM	<=140kgs
HW2290	75MM	35MM	<=200kgs



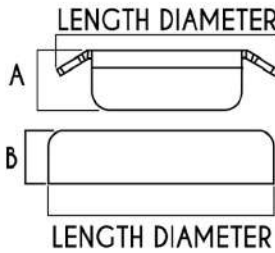
Flat Magnet With Countersunk



PART NUMBER	LENGTH DIAMETER	HEIGHT	VERTICAL PULL FORCE
HW2295	48MM	11.5MM	<=80kgs
HW2293	60MM	15MM	<=140kgs
HW2296	75MM	18MM	<=200kgs

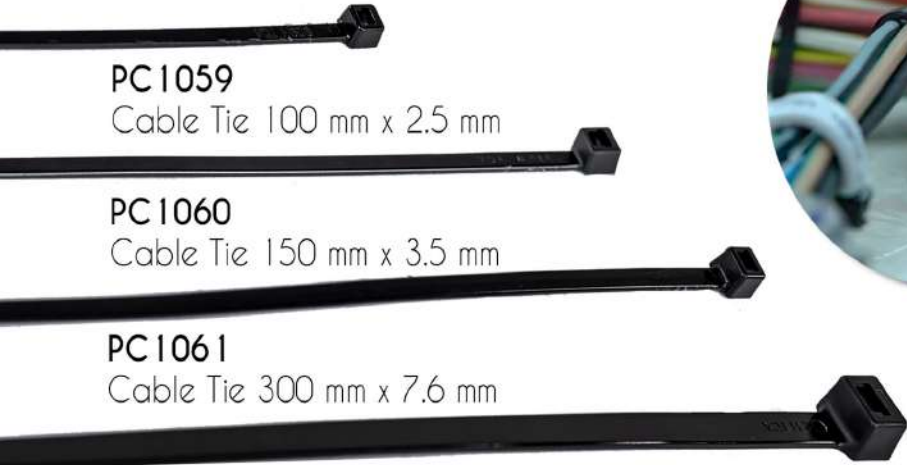


Magnetic Cable Tie "D" Mount



PART NUMBER	LENGTH DIAMETER	HEIGHT(MM) A B	VERTICAL PULL FORCE
HW2303	48MM	11.3 10	<=80kgs
HW2304	60MM	11.3 10	<=140kgs

CABLE TIES



PC1059
Cable Tie 100 mm x 2.5 mm

PC1060
Cable Tie 150 mm x 3.5 mm

PC1061
Cable Tie 300 mm x 7.6 mm

PC1062
Cable Tie 300 mm X 4.6 mm





HEATSHRINK TUBE

PART NUMBER	SIZE	COLOR	DUAL WALL	SHRINK RATIO	SHRINK TEMP
TB1065	2.4MM x 1.2MM	BLACK	NO	2:1	120°C
TB1129	2.4MM x 1.2MM	BLACK	YES	3:1	120°C
TB1070	3.2MM x 1.7MM	CLEAR	NO	2:1	120°C
TB1073	3.2MM x 1.7MM	BLACK	YES	4:1	120°C
TB1072	6.0MM x 1.40MM	BLACK	YES	4:1	120°C
TB1071	9.5MM x 4.7MM	CLEAR	NO	2:1	120°C
TB1066	12.7MM x 6.4MM	BLACK	NO	2:1	120°C
TB1069	12.7MM x 6.4MM	WHITE	NO	2:1	120°C
TB1057	20MM	BLACK	YES	2:1	<100°C
TB1133	20MM	CLEAR	YES	2:1	<100°C
TB1074	25.4MM x 12.7MM	BLACK	YES	4:1	120°C
TB1075	25.4MM x 12.7MM	BLACK	YES	4:1	120°C
TB1068	25.4MM x 12.7MM	RED	NO	2:1	120°C
TB1067	25.4MM x 12.7MM	BLACK	NO	2:1	120°C

**see website for all heatshrink options*

**SOLD BY THE METER*



FLEXIBLE BRAID



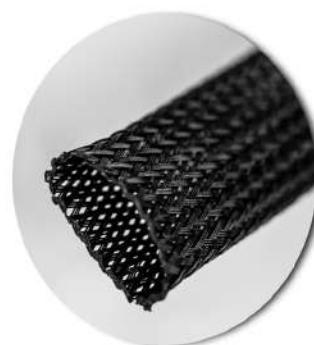
TB1083

Expandable Braided
Pet Black Cable Sleeve
MINIMUM CABLE DIAMETER : 6 mm
MAXIMUM CABLE DIAMETER : 9.53mm
**SOLD BY THE METER*



TB1082

Expandable Braided
Pet Black Cable Sleeve
MINIMUM CABLE DIAMETER: 12 mm
MAXIMUM CABLE DIAMETER :19mm
**SOLD BY THE METER*

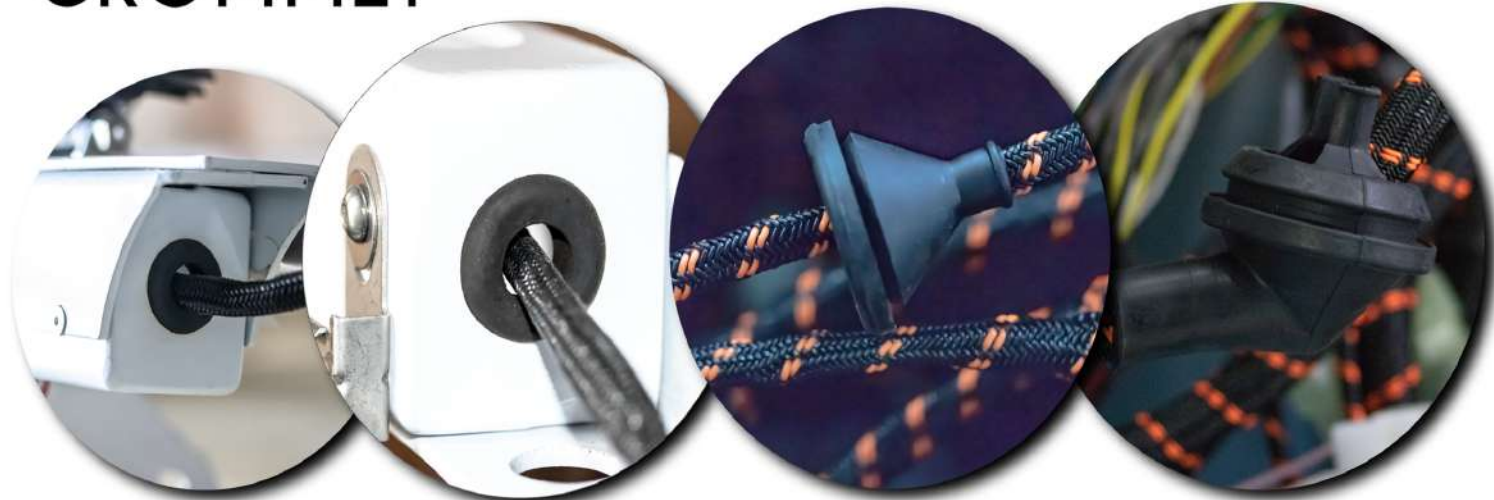


TB1190

Expandable Braided
Pet Black Cable Sleeve
MINIMUM CABLE DIAMETER : 20 mm
MAXIMUM CABLE DIAMETER :32mm
**SOLD BY THE METER*



GROMMET



TEMPERATURE RANGE -40°F (-40°C) TO 221°F(105°C)

EDGE PROTECTION THICK WALL GROMMETS

PART NUMBER	MOUNTING HOLE DIAMETER	MAX WALL THICKNESS	WIRING HOLE DIAMETER
GO 1041	8MM	3.2MM	4.8MM
GO 1025	12.5MM	3.3MM	9.5MM
GO 1005	17.5MM	6.4MM	11.1MM
GO 1034	19MM	2.4MM	12.7MM
GO 1003	22.2MM	4.8MM	15.9MM
GO 1035	22.2MM	3.2MM	15.9MM
GO 1008	25.4MM	6.4MM	22.2MM
GO 1009	31.6MM	4.8MM	25.4MM
GO 1010	50MM	6.4MM	44.5MM

WIRING GROMMET STR

PART NUMBER	MOUNTING HOLE DIAMETER	MAX WALL THICKNESS	WIRING HOLE DIAMETER
GO 1020	16MM	2.25MM	9MM
GO 1016	21MM	2.25MM	12MM
GO 1018	16.9MM	2.20MM	4.13MM
GO 1022	26X13MM	1.0MM	18MM
GO 1032	27MM	2.5MM	4.76MM
GO 1038	26MM	2.34MM	5.56MM
GO 1011	31.27MM	3.26MM	7.74MM
GO 1017	36MM	2.54MM	8.50MM
GO 1024	50.81MM	2.62MM	10.12MM
GO 1014	50.19MM	4.95MM	10.12MM
GO 1047	60.85MM	5MM	31.38MM
GO 1013	62.44MM	2.08MM	16.86MM

EDGE PROTECTION THIN WALL GROMMETS

PART NUMBER	MOUNTING HOLE DIAMETER	MAX WALL THICKNESS	WIRING HOLE DIAMETER
GO 1002	7.5MM	2MM	5.4MM
GO 1033	7.9MM	1.6MM	4.8MM
GO 1006	14.2MM	4.8MM	8MM
GO 1001	15.9MM	1.6MM	12.7MM
GO 1012	17.5MM	1.6MM	11.1MM
GO 1046	33.5MM	3MM	25.1MM
GO 1052	50.8MM	2.4MM	38.1MM

WIRING GROMMET 90°

PART NUMBER	MOUNTING HOLE DIAMETER	MAX WALL THICKNESS	WIRING HOLE DIAMETER
GO 1031	32MM	2.80MM	5.53MM
GO 1039	48.61MM	2.76MM	16.70MM
GO 1048	61.62MM	3.17MM	15.97MM



HEAVY DUTY CONDUIT FITTINGS

IP66

Reducing Fittings

PART NUMBER	IN	OUT
CA2014	10	07
CA2015	12	10
CA2012	17	10
CA2013	17	12
CA2034	23	10
CA2029	23	12
CA2028	23	17
CA2073	29	10
CA2080	29	17
CA2074	29	23

U Conduit Fittings

PART NUMBER	IN	OUT	OUT
CA1759	10	07	07
CA1760	12	10	10
CA1773	17	12	12
CA1762	23	17	17
CA1763	29	23	23

T Conduit Fittings

PART NUMBER	IN	OUT	OUT
CA1768	10	10	10
CA1769	12	12	12
CA1770	17	17	17
CA2027	23	23	23
CA1771	29	23	23
CA1772	29	29	29

Y Conduit Fittings

PART NUMBER	IN	OUT	OUT
CA1764	10	07	07
CA1765	10	10	10
CA1767	17	10	10
CA1774	17	10	10



CONDUITS

PART NUMBER	OUTSIDE DIAMETER	INSIDE DIAMETER	RATED WIDTH
TB1001	10MM	6.2MM	07
TB1002	13MM	9.6MM	10
TB1003	15.8MM	12MM	12
TB1004	21.2MM	16.2MM	17
TB1005	28.5MM	22.6MM	23
TB1006	34.5MM	29MM	29



BRACKETS



BR1100
Deutsch DRC 24 Way 90°
Chassis Mount



BR1224
Deutsch DRC 40 Way 90°
Chassis Mount



BR1637
DRC 70 WAY Deutsch
90 DEG Chassis Mount



BR1097
Jumpstart Receptacle Bracket



BR1555
HD34-24-31PE Twin
Bulkhead Steel Plate



BR1544
4 Way Isolation
LH Bracket



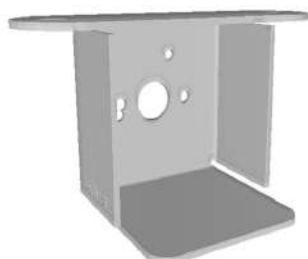
BR1103
Hino Fuse-Relay Bussman



BR1101
Light Bracket Suit
Truck Roof Bar



BR1631
HMWS Toolbox



BR1621
Iveco Battery Isolator Bracket
*suits SW1029



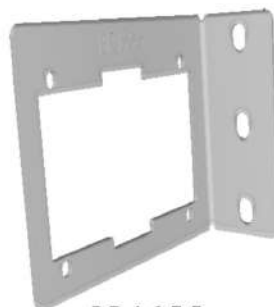
BR1563
Mine E-Stop Shroud Option



BR1628
Strip Light Bracket 45°
*Applicable for LA1284
and LA1288 (see page 20)



BR1590
70-Series Land Cruiser
Jumpstart



BR1655
Bussman Bracket



BR1015

Sonar Bracket 28 X 10



BR1016

Sonar Bracket 31 X 10



BR1017

Sonar Bracket 33 X 10



BR1021

Proximity Switch Bracket



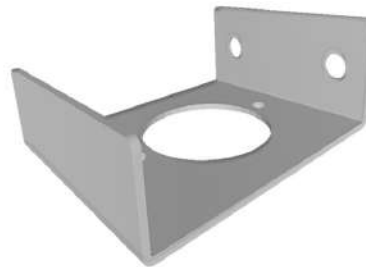
BR1036

Hilux Number Plate
Light Bracket



BR1037

Land Cruiser Number Plate
Light Bracket



BR1042

120 AMP Bussman
Circuit Breaker



BR1045

Small Enclosure 90 Deg Mount



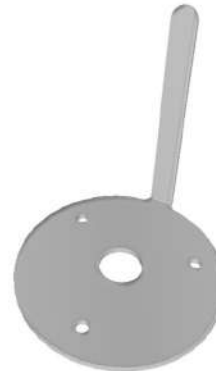
BR1079

Comms Mounting Bracket



BR1093

Deutsch 20-30 Series
Bulkhead



BR1095

Rear View Camera Bracket



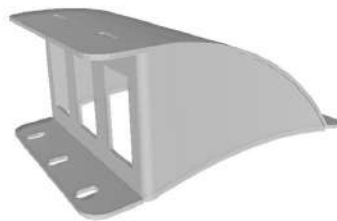
BR1096

Generic Isolator Bracket
*suits sw1029



BR2457

Volvo Bussman Bracket



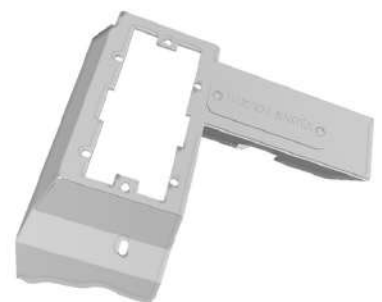
BR2608

Switch Panel 3 Way



BR2659

Switch Panel 4 way



BR2660

Land Cruiser
Electrical Centre Universal



BR1404
Water Cannon Control
Box Enclosure



BR1370
Bussman Bracket



BR1378
Bussman Bracket



BR1383
Scania Bracket Bussman

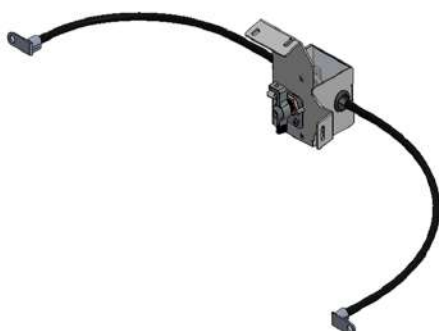


BR1435
Start Isolator Bracket
Ford Range PX2

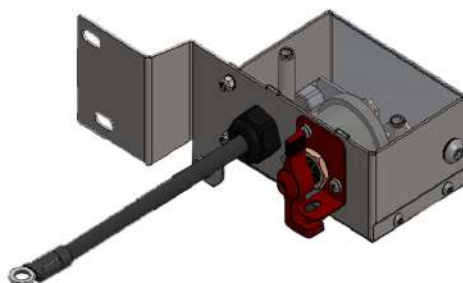


BR2047
M8X45 Extension Stud

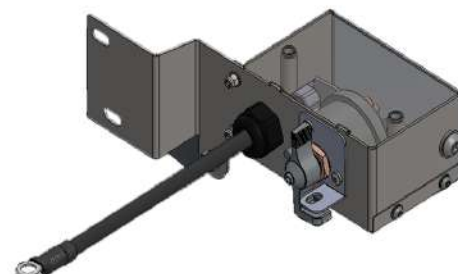
HME ASSEMBLIES



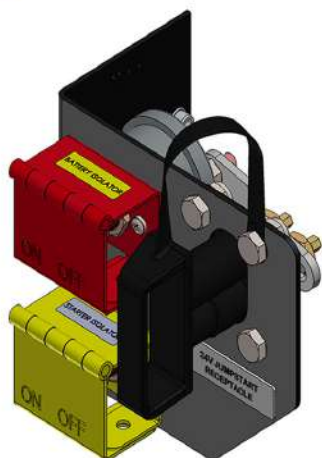
HME-5602100713-01
Toyota, Prado
Isolation Assy



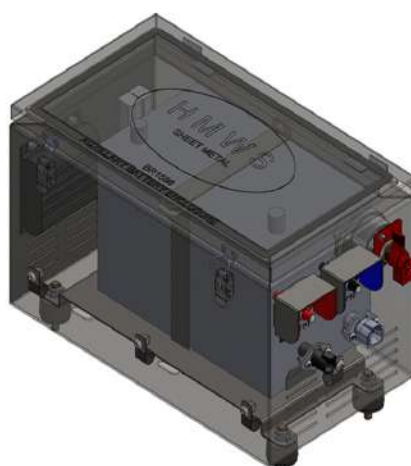
HME-5604090713-04
VDJ v8 Land Cruiser Isolation Assy



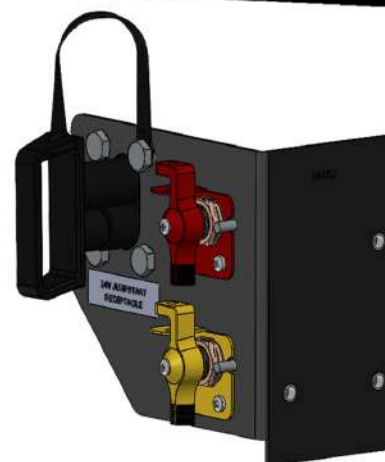
HME-5605100713-03
VDJ V8 Land Cruiser Isolation Assy



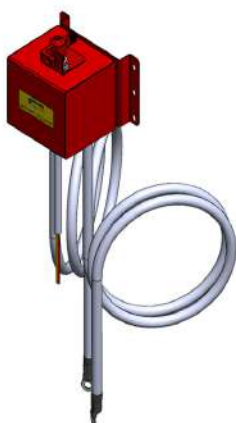
HME-5608100713-01
Jumpstart Isolation Assy



HME-5601101014-01
Stainless Steel Aux Battery Enclosure Assy



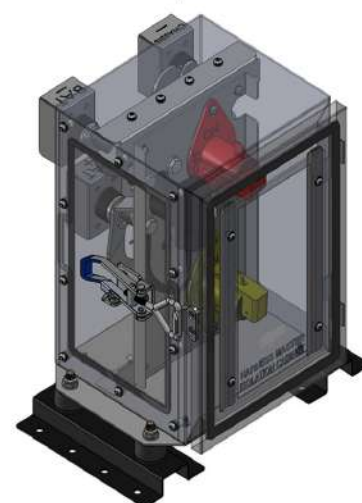
HME-3302090414-01
Left Side Jumpstart Isolator Assy



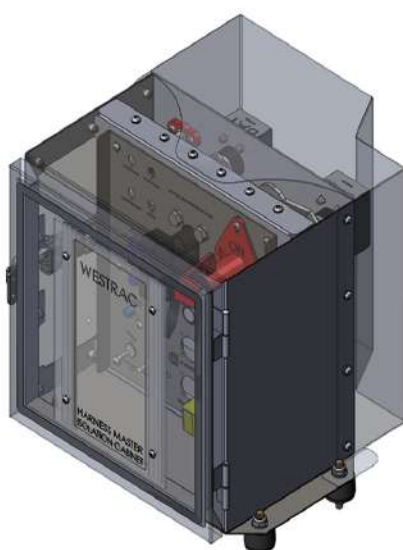
HME-5601130814-01
Dangerous Goods Spec Isolation Assy



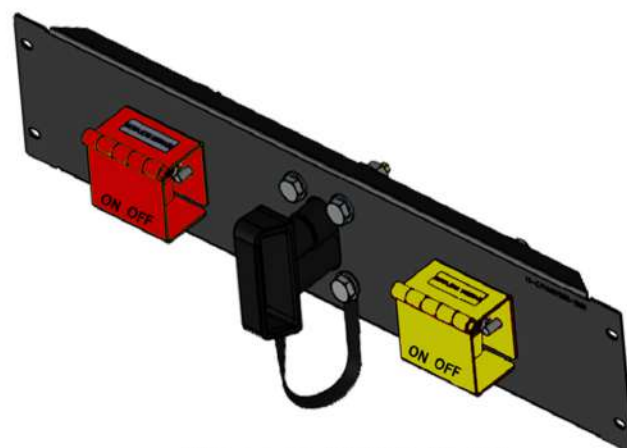
HME-7401061117-01
Safe Start Assy Remote Operated Jumpstart PlugEjector System



HME-2601170413-03
Standard Heavy Duty Isolation Station



HME-2602020413-02
777G Isolation Station



HME-5601090713-01
Mack Jumpstart Isolation Assy



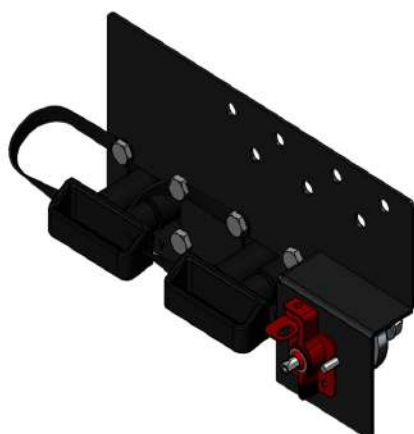
HME-3305030413-02
Isolator Jumpstart Assy



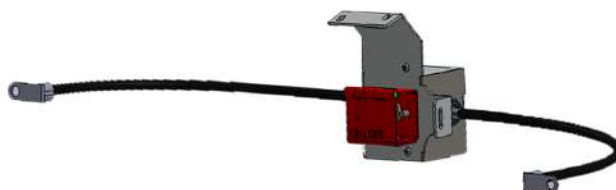
HME-3307030413-02
Stepped Jumpstart Assy



HME-3310030413-02
Jumpstart Isolation Assy



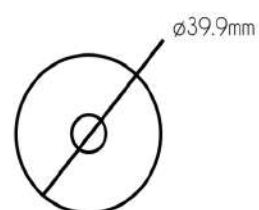
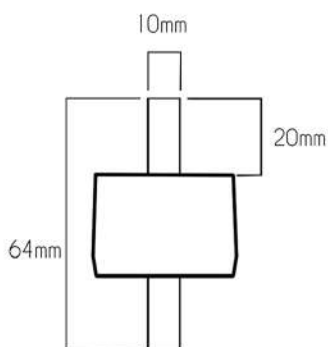
HME-3311030413-02
Jumpstart Isolation
Straight Assy



HME-5601100713-01
Prado Isolation Assy

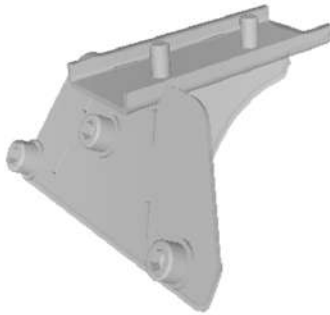


HW1031
M10 x 20 Foot Bearing
NOMINAL THREAD SIZE: M10
Vibration Mount

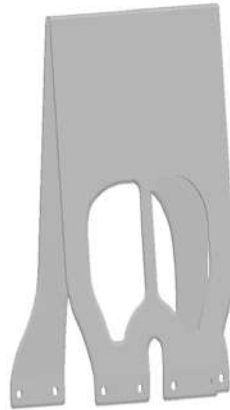




LIGHT VEHICLE RELATED BRACKETS AND MOUNTINGS



BR1670
Generic Light Bar Feet RH
Light Vehicle Lightbar
Accessories



BR1755
Light Vehicle
Civil Bar Citic Number Board



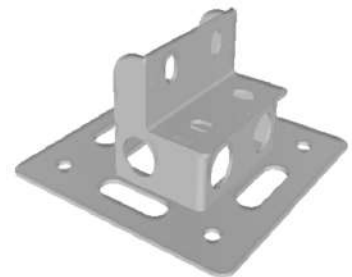
BR2374
Device Bracket



BR2380
Light Vehicle
Antenna Bracket
For Maple Leaf Light Bar



BR2381
Light Vehicle
High Precision Antenna Bracket



BR2451
Light Vehicle
High Precision Antenna
Bracket For Large Antenna



BR1409
Light Vehicle
Generic Light Bar Inner
Foot Mount Slider



BR2870
HME-7401301118-01
Retractable Flagpole Antenna Mount
316 Stainless



BR1623
Ford Ranger Canopy Build 2
Light Vehicle
Light Bar Accesories

LIGHT VEHICLE



HMLB-1300B-STIR-STANDARD LIGHT BAR (AUSTRALIA)
 MATERIAL: ALUMINUM
 FINISH: WHITE RAL 9016 POWDER COAT
 THICKNESS: 3MM
 WEIGHT: 5.15KG



HMLB-1300B-STIR-1300 STANDARD LIGHT BAR
 MATERIAL: ALUMINUM
 FINISH: WHITE RAL 9016 POWDER COAT
 THICKNESS: 3MM
 WEIGHT: 7.19KG



HMLB-1500ML-STR-MAPLE LEAF LIGHT BAR (CANADA)
 MATERIAL: ALUMINUM
 FINISH: POWDER COATED WHITE
 THICKNESS: 3MM
 WEIGHT: 5.15KG





TRUCK LIGHT BAR RELATED BRACKETS AND MOUNTINGS



BR1400
Roof Bar Feet Extended Bracket



BR1409
Light Vehicle
Generic Light Bar Inner
Foot Mount Slider



BR1411
Scania Truck Bar Mount



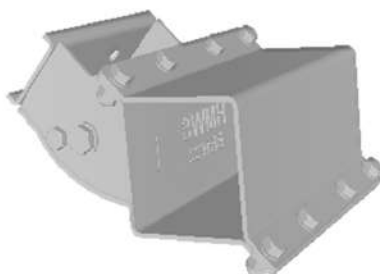
BR1416
Isuzu,Hino
Truck Roof Bar Feet



BR1418
Extended Truck Roof Bar Feet
for Isuzu Crew Cab



BR1513
Heavy Vehicle
Light Bar Rops Adaptor



BR1622
ROPS 75mm SQ
Bar Bracket Assembly
Truck Light Bar Accessory



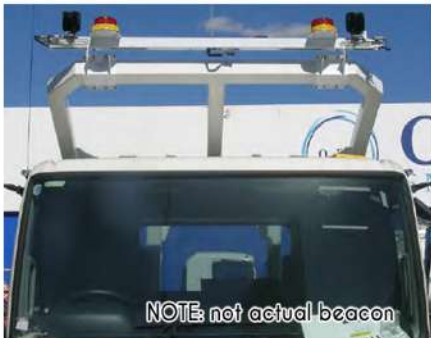
BR2870
HME-7401301118-01
Retractable Flagpole Antenna Mount
316 Stainless



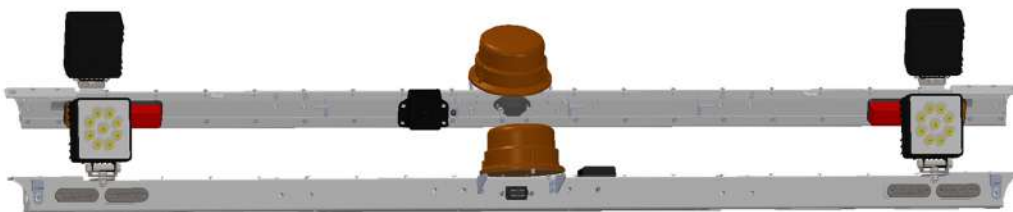
BR2374
Device Bracket



TRUCK LIGHT BARS



HMLB-2000DB-DUAL BEACON TRUCK LIGHT BAR
MATERIAL: ALUMINUM
FINISH: WHITE RAL 9016 POWDER COAT
THICKNESS: 3MM
WEIGHT: 17KG



HMLB-2000SB-SINGLE BEACON TRUCK LIGHT BAR
MATERIAL: ALUMINUM
FINISH: WHITE RAL 9016 POWDER COAT
THICKNESS: 3MM
WEIGHT: 11.9KG





LA 1365

REVERSE BEACON

Power Rating: 10-30V DC

Width: 166mm

Height: 126mm

2X10 High Power LEDs

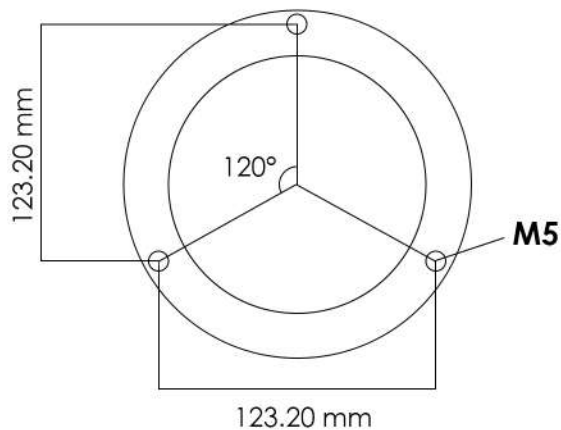
With Auto Sensing Speaker

Sound Level: 77~97± 4dB

PC lens, Aluminum BLACK base, IP67

3 Holes Flange

E1 Mark R65 Class 2 and SAE Class 1



MOUNTING DIAGRAM





ORGANIZER KITS



OTK-DT-MINI-01

Organizer Tray Kit
Miniture



OTK-BOOT-DT-01

Organizer Tray Kit
Deutsch DT Boot Spec



OTK-BOOTS-01

Organizer Tray Kit
Connector Terminal Boots



OTK-CAT-DT-01

Organizer Tray Kit
Deutsch DT Cat Spec



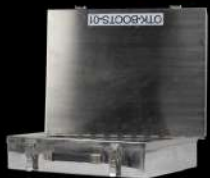
OTK-UNI-SW/U-01

Organizer Tray Kit
UniSwitch Unsealed
Connector Version



OTK-UNI-SW/S-01

Organizer Tray Kit
UniSwitch Sealed
Connector Version



ORGANIZER KIT



OTK-RELAY-01

Organizer Tray Kit
Relay



OTK-FUSES-01

Organizer Tray Kit
Fuses



OTK-X/SWP-01

Organizer Tray Kit
X/SWP Series Connectors



OTK-QC-CONN/NA-01

Organizer Tray Kit
Quick Connector



OTK-AMPSEAL-CONN-01

Organizer Tray Kit
Ampseal Connector



OTK-STD-DT-01

Organizer Tray Kit Deutsch
DT Standard Deutsch



OTK-CUMMINS-01

Organizer Tray Kit CUMMINS



LED PANEL INDICATOR LIGHT



LA1355

LED PANEL INDICATOR
WITH LEADS GREEN
RATING: 8-32vdc
SIZE: M14



LA1357

LED PANEL INDICATOR
WITH LEADS BLUE
RATING: 8-32vdc
SIZE: M14



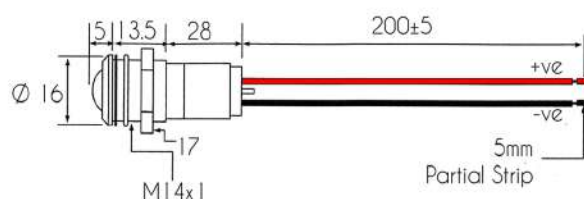
LA1354

LED PANEL INDICATOR
WITH LEADS RED
RATING: 8-32vdc
SIZE: M14



LA1356

LED PANEL INDICATOR
WITH LEADS YELLOW
RATING: 8-32vdc
SIZE: M14



DIMENSIONS (mm)



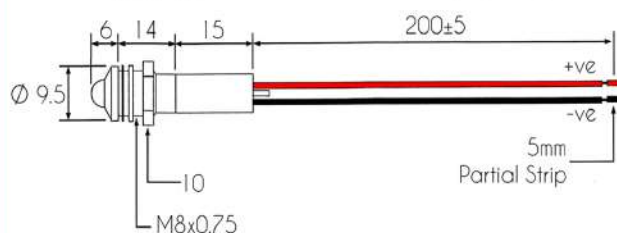
LA1351

LED PANEL INDICATOR
WITH LEADS GREEN
RATING: 8-32vdc
SIZE: M8



LA1353

LED PANEL INDICATOR
WITH LEADS BLUE
RATING: 8-32vdc
SIZE: M8

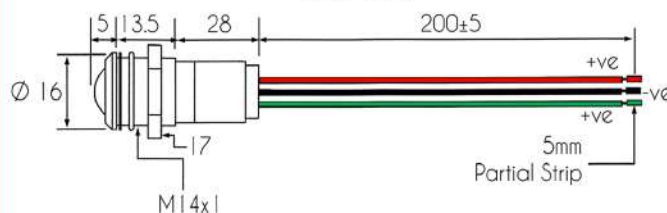


DIMENSIONS (mm)



LA1358

TRI-COLOUR LED PANEL INDICATOR
WITH LEADS
RATING: 8-32vdc
SIZE: M14



DIMENSIONS (mm)



LED RANGE



LA1359
LED PANEL INDICATOR
WITH LEADS RED
RATING: 8-32vdc
SIZE: M22



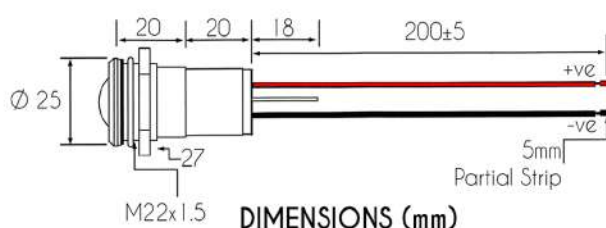
LA1361
LED PANEL INDICATOR
WITH LEADS YELLOW
RATING: 8-32vdc
SIZE: M22



LA1362
LED PANEL INDICATOR
WITH LEADS BLUE
RATING: 8-32vdc
SIZE: M22



LA1360
LED PANEL INDICATOR
WITH LEADS GREEN
RATING: 8-32vdc
SIZE: M22



PILOT LIGHTS



LA1001
24v AC/DC
Pilot Light
(Blue)
ø22mm

*Mounting: Surface Mount
(base, cover, screw bosses
and screw caps included)



LA1002
24v AC/DC
Pilot Light
(Green)
ø22mm

*Mounting: Surface Mount
(base, cover, screw bosses
and screw caps included)



LA1003
24v AC/DC
Pilot Light
(Red)
ø22mm

*Mounting: Surface Mount
(base, cover, screw bosses
and screw caps included)

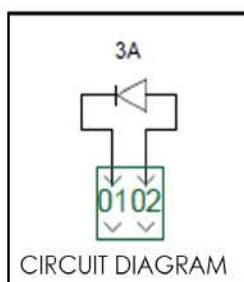


LA1004
24v AC/DC
Pilot Light
(Yellow)
ø22mm

*Mounting: Surface Mount
(base, cover, screw bosses
and screw caps included)

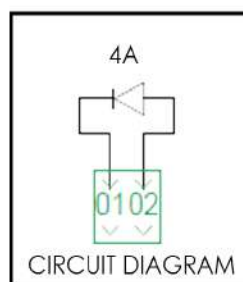


DEUTSCH DIODES



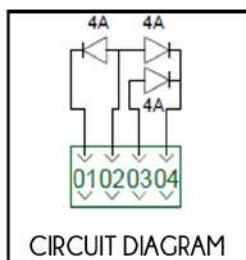
DI1005

DT Series Molded-In Diode
2 Way Black Receptacle



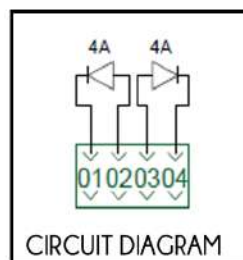
DI1032

DT Series Molded-In Diode
2 Way Black Receptacle



MI1135

Deutsch Diode
4 Way Black



DI1040

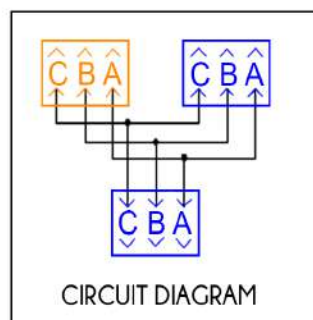
Deutsch Diode
4 Way Grey

3 WAY DEUTSCH "Y" SPLICE CONNECTOR



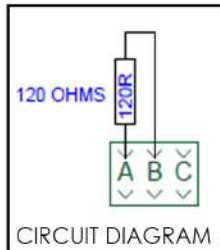
CH1324

Connector Male
3 Way Sealed

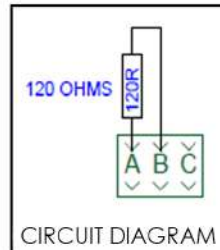




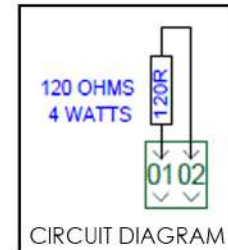
DEUTSCH RESISTORS



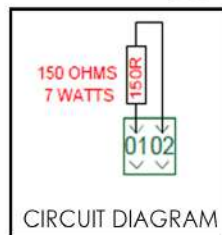
MI1129
Resistor Female
3 Way Grey



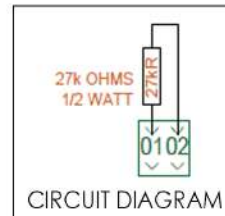
MI1128
Resistor Male
3 Way Grey



MI1078
DTM Connector
Resistor 2 way Grey

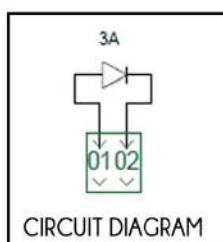


MI1138
DT Series Molded-In Resistor
2 Way Black Receptacle

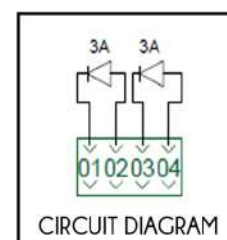


DI1041
DT Series Molded-In Resistor
2 Way Black Receptacle

QC STYLE DIODES



DI1001
Diode 2 Way
3A Receptacle



DI1003
Diode 4 Way
2x3A Receptacle



Plastic Cable Glands

IP Rating: IP68
Min. Operating Temp : -60°C
Max. Operating Temp : +85°C



Part number	Gland Thread	Mounting Hole
CA1982	PG9	16.61mm
CA1983	PG11	18.45mm
CA1984	PG16	23.16mm
CA1985	M20	21.11mm
CA1986	M25	25mm
CA2387	PG29	37.76mm
CA2333	M32	32.70mm
CA2594	M40	40mm

Metal Cable Glands

IP Rating: IP68
Min. Operating Temp : -25°C
Max. Operating Temp : +100°C

Part number	Gland Thread	Mounting Hole
CA2127	PG7	12.79mm
CA2128	PG9	16.61mm
CA2129	PG11	18.45mm
CA2130	PG13.5	21.11mm
CA2131	PG16	23.16mm
CA2132	PG21	28.73mm
CA2133	PG29	37.76mm
CA2134	PG36	47.68mm





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