

POWER DIST. MODULE SEALED - MINI & MAXI

GEP
POWER PRODUCTS

NEW

58V

IP67

The PDMKIT123 is a low and medium power distribution module providing a compact, durable and sealed power distribution solution for the transportation market. This new module fits 4 x Mini blade fuses (low current) and 2 x Maxi blade fuses (medium current).

Voltage Rating: 58VDC

Rating: 250A

Terminals (Mini Fuse): unit fits 8 terminals, rated up to 30A.

Delphi Metri-Pack 280 Female Sealed TANGED.

Terminals (Maxi Fuse): unit fits 4 terminals, rated up to 100A.

Learn MAK8 Plus Female Closed Box.

Temperature Rating: -40°C to +125°C.

Housing: Black thermoplastic.

Seal: Silicone, red.

Mounting Bracket: Zinc steel, straight with anti-rotation tab.

Cable Seals Silicone: Check overall diameter of your cable before ordering cable seals.

Cavity Plugs Silicone: Required to fill unused output cavities for ingress protection.

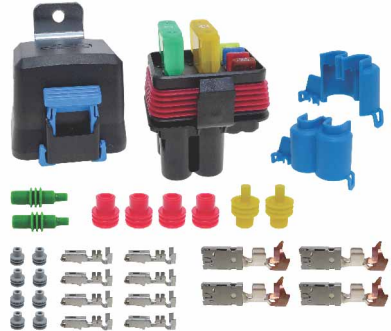
Ingress Protection Rating: IP67.

Terminal Tools: Terminal crimping & removal tools available. Contact sales.

Module Accessories: Optional 90 degree mounting bracket.

Components: Mini fuses and maxi fuses are not included with the kit.

Approvals:  



Part Number	Kit Contents
PDMKIT123	Base, Seal, Cover, Steel Bracket, 2 x TPA's (A & B), CPA, 4 x Terminals (28225306710), 4 x Seals Maxi (PDM-TWS-L6), 2 x Cavity Plugs Yellow Maxi (PDM-TWS-P), 8 x Terminals (12129493), 8 x Seals Grey Mini (15324980), 2 x Cavity Plugs Green Mini (12010300)

Part Number	Description
SC42-2014A-A001	PDM Black Base with Red Seal for 4 x Mini & 2 x Maxi fuses
FRH-A24-C	PDM Cover Black.
FRH-A-CPA	PDM CPA Blue Cover Position Assurance.
SC38-2013A-B003	PDM TPA Blue Terminal Position Assurance (A).
SC38-2013B-B003	PDM TPA Blue Terminal Position Assurance (B).
FRH-A12-MB-A1	Flat Bracket Anti-Rotation Tabs Zinc Steel.
12129493	MP280 Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm ²
15324980	MP280 Cable Seal, 3.49 - 2.81mm Cable Diameter Grey
12010300	MP280 Cavity Plug, 6.7mm Cavity inside Diameter Green
28225306710	MAK8 Long Terminal Female (#9-7AWG), 6.0 - 10.0mm ²
PDM-TWS-L6	GEP Long Cable Seal, 6.5 - 7.8mm Cable Diameter Red
PDM-TWS-P	GEP Cavity Plug Yellow
PDM-TK	Diode Key Red Nylon. Drops into PDM Mini Base Slots



Please refer to page 3 for terminals & seals in different sizes

RELATED PRODUCTS:



Mini & Maxi Fuse



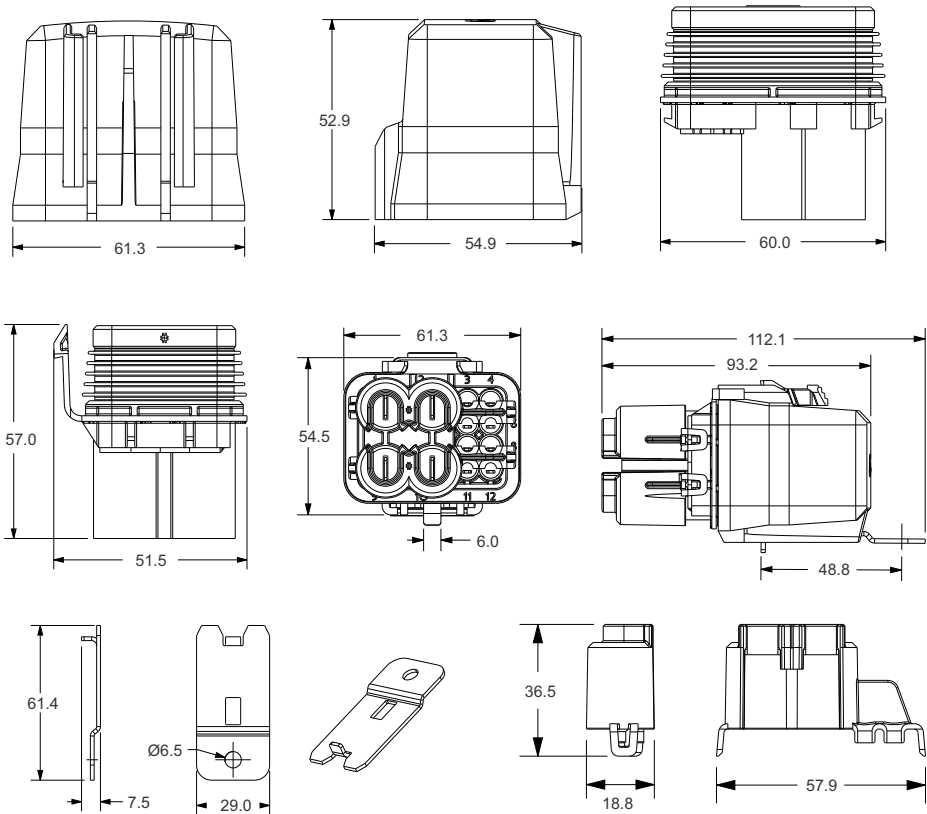
Assembled Unit

Unassembled Unit



Fuses Installed

Dimensions



Stainless Steel Mounting Bracket
(with anti-rotation tab)

Dimensions are in MM

Secondary Locks (TPA's)



FRH-A24-C



FRH-A-CPA



FRH-A12-MB-A1



PDM-TK



SC42-2014A-A001



SC38-2013A-B003



SC38-2013B-B003

DELPHI METRI-PACK 280 SERIES TERMINALS

TERMINALS - FEMALE SEALED (TANGED)

Tin Brass /Tin plated



Part Number	Wire (AWG)	Wire (mm ²)
12084201	#22 - #20	0.35 - 0.5
12077411	#18 - #16	0.80 - 1.0
12129493	#14 - #12	2.0 - 3.0
12077413	#10	5.0

CABLE SEALS

Silicone



Part Number	Cable Dia.(mm)	Colour
15324983	1.70 - 1.29	Dark Red
15324982	2.85 - 2.03	Green
15324980	3.49 - 2.81	Grey
15324981	4.30 - 3.45	Blue

CAVITY PLUG

Silicone



Cavity Plugs (bulk)	Colour
12010300	Green

LEAR MAK8 PLUS TERMINALS



SHORT TERMINALS: Lear Mak8 Plus

Female sealed - Copper



Part Number	Wire (AWG)	Wire (mm ²)	Plating
28469306189	#13 - #11	2.5 - 4.0	Silver Tin
28459306189	#9 - #7	6.0 - 10.0	Silver Tin

LONG TERMINALS: Lear Mak8 Plus

Female sealed - Copper



Part Number	Wire (AWG)	Wire (mm ²)	Plating
28224306710	#13 - 11	2.5 - 4.0	Silver
28225306710	#9 - #7	6.0 - 10.0	Silver
28243306710	#7 - #5	10.0 - 16.0	Silver

GEP CABLE SEALS & CAVITY PLUS



SHORT CABLE SEALS:

Silicone, **GEP**



Part Number	Cable Dia. (mm)	Colour
PDM-TWS-S1	2.7 - 3.0	Green
PDM-TWS-S2	3.4 - 3.8	Purple
PDM-TWS-S3	4.0 - 4.5	Orange
PDM-TWS-S4	4.6 - 5.3	Light Blue
PDM-TWS-S5	5.8 - 6.6	Gray

LONG CABLE SEALS:

Silicone, **GEP**



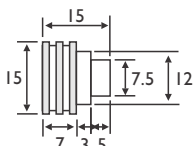
Part Number	Cable Dia. (mm)	Colour
PDM-TWS-L1	2.7 - 3.0	Green
PDM-TWS-L2	3.4 - 3.8	Purple
PDM-TWS-L3	4.0 - 4.5	Orange
PDM-TWS-L4	4.6 - 5.3	Light Blue
PDM-TWS-L5	5.8 - 6.6	Gray
PDM-TWS-L6	6.5 - 7.8	Red

CAVITY PLUG:

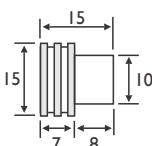
Silicone, **GEP**



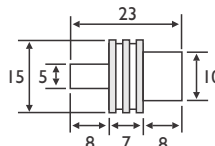
Part Number
PDM-TWS-P



Short Seal



Long Seal



Cavity Plug

Dimensions in MM