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. Lear 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.
Notes: Mini fuses and maxi fuses are not included with the kit.
Approvals: RoHS REACH



PDMKIT123-2

Part Number	Kit Contents
PDMKIT123-2	Base, Seal, Cover, Z.P Steel Bracket, CPA, 2 x TPA's (A & B), 4 x Terminals (28225306710), 4 x Seals Maxi (PDM-TWS-L4), 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 Plated Steel.
FRH-A12-MB-A2	Flat Bracket Anti-Rotation Tabs Stainless Steel.
12129493	MP280 Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm²
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 - 10.0mm²
PDM-TWS-L4	GEP Long Cable Seal, 4.6 - 5.3mm Cable Diameter Lt. Blue
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

Bracket



CPA

Cover





Base & Seal



TPA's

RELATED PRODUCTS:



Mini Fuse 32V
Mini Fuse 58V



Maxi Fuse 32V
Maxi Fuse 58V

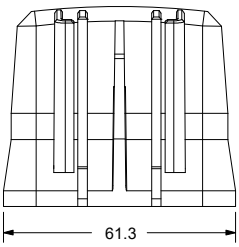


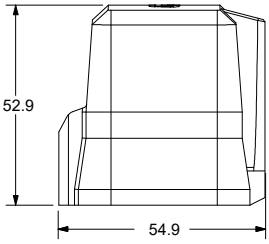
Assembled Unit

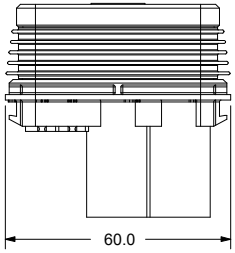


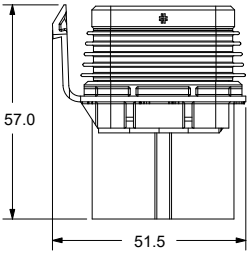
Fuses Installed

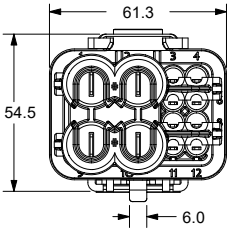
Dimensions

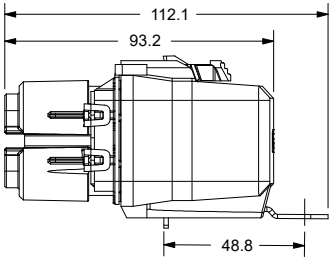


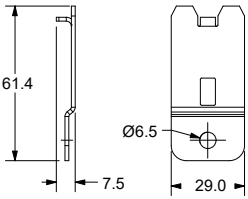




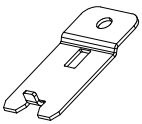


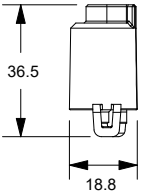


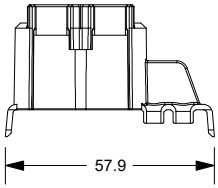




Stainless Steel Mounting Bracket (with anti-rotation tab)







Secondary Locks (TPA's)

Dimensions are in MM



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

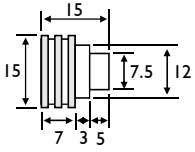


Part Number	Cable Dia. (mm)	Colour
PDM-TWS-L1	2.7 - 3.0	Green
PDM-TWS-L2	3.4 - 3.8	Purple
PDM-TWS-L3	4.0 - 4.5	Orange
PDM-TWS-L4	4.6 - 5.3	Light Blue
PDM-TWS-L5	5.8 - 6.6	Gray
PDM-TWS-L6	6.5 - 7.8	Red

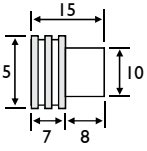
CAVITY PLUG:
Silicone, GEP



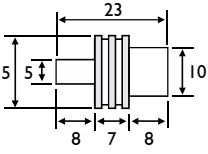
Part Number
PDM-TWS-P



Short Seal



Long Seal



Cavity Plug

Dimensions in MM