POWER DIST. MODULE SEALED - 48 POSITION

GEP POWER PRODUCTS

NEW
**IP66**
58V

This 48 position power distribution module provides compact, durable and sealed main power or auxiliary power. This high density module suits a mix of 280 components such as mini fuses, mini circuit breakers, mini diodes, diode keys, mini resistors, ISO 280 Ultra micro and ISO 280 Micro relays.

Voltage Rating: 58VDC **Terminal Rating:** 30A per terminal.
Terminal Capacity: 48 terminals on a layout matrix of (4 x 12).
Terminals: Delphi Metri-Pack 280 Female Sealed TANGED.
Temperature Rating: -40°C to +125°C.
Housing: Thermoplastic, black PBT Polyester. **Cover Seal:** Silicone.
Mounting: Top or side mount options. 10.5mm moulded holes.
2 x M6 threaded mounting clips included. They are removable.
Inserted for top mount arrangement. Spare part # PDM-TMC.
Cable Seals: Please check the overall diameter of your cable before ordering cable seals. Silicone material UL94-V0.
Cavity Plugs: Required to fill unused output cavities for ingress protection. Silicone material.
Terminal Tools: Terminal crimping & removal tools available.
Components: Mini fuses, breakers and relays are not included.
Features: Terminal numbering on base rear. PDM's are interlockable.
Ingress Protection Rating: IP66. **Approvals:** RoHS REACH

48 Way PDM

Part Number	Kit Contents
PDMKIT-R3A	Base, Seal, Cover, Tether, 2 x M6 Mtg Clips, 6 x TPA's, 50 x Terminals (12129493), 50 x Seals (15324980), 10 x Cavity Plugs (12010300).

Part Number	Description
PDM-R3AC1	PDM Housing 48 Pos, Seal, Cover & 2x Mtg. Clips
PDM-TT1	TPA Terminal Position Assurance, 6pcs Required
PDM-SCT	PDM Tether Black Flexible (110mm - 160mm)
PDM-TK	Diode Key Red Nylon. Drops into PDM Base Slots
12084201	Tanged Terminal Female (#22-20AWG), 0.35 - 0.5mm^2
12077411	Tanged Terminal Female (#18-16AWG), 0.80 - 1.0mm^2
12129493	Tanged Terminal Female (#14-12AWG), 2.0 - 3.0mm^2
12077413	Tanged Terminal Female (#10AWG), 5.0mm^2
15324983	Cable Seal, 1.70 - 1.29mm Cable Diameter Dark Red ■
15324982	Cable Seal, 2.85 - 2.03mm Cable Diameter Green ■
15324980	Cable Seal, 3.49 - 2.81mm Cable Diameter Grey ■
15324981	Cable Seal, 4.30 - 3.45mm Cable Diameter Blue ■
12010300	Cavity Plug, 6.7mm Cavity inside Diameter Green ■

TETHER: FLEXIBLE PDM-SCT
Links Cover with Base

ACCESSORIES: Delphi Metri-Pack 280
TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated

CABLE SEALS:
CAVITY PLUG:
Silicone

TPA:
PDM-TT1
8 Positions

DIODE KEY:
PDM-TK
Diode key drops into PDM base slot as pictured. Nylon.

MOUNTING CLIP:
PDM-TMC

RELATED PRODUCTS:

Mini Fuses, LED Fuses, Circuit Breakers, Transorbs, Diodes & Shunts.

ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.

Terminal, Seal & Plug Kits.
TERMKIT002

Tanged Cables, Jumpers, Splice Connectors,
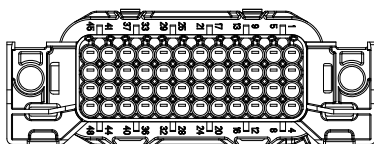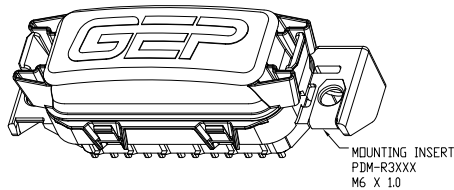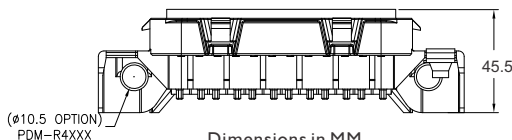
Crimping Tools & Terminal Removal Tool.

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Series P/N	Mounting Configuration
PDM-R1xxx	6.5mm holes for side or top mount
PDM-R2xxx	Side mount with threaded insert
PDM-R3xxx	Top mount with threaded insert
PDM-R4xxx	10.5mm holes for side or top mount

MOUNTING INSERT
PDM-R3XXX
M6 X 1.0

**Terminal Numbering
(Rear of Unit)**

162.75
135.7
61.7
142

(ø10.4 OPTION)
PDM-R1XXX

52.8
69.1
131

(ø6.5 OPTION)
PDM-R1XXX

45.5

(ø10.5 OPTION)
PDM-R4XXX

Dimensions in MM

Tether Installation Instructions

**Scan this
QR Code** QR Code: 8011

Ganged Units

163
117.3
56.5*
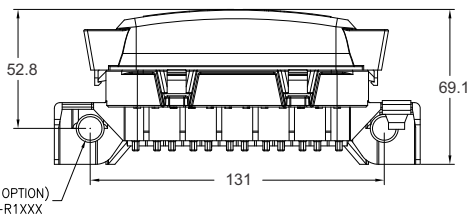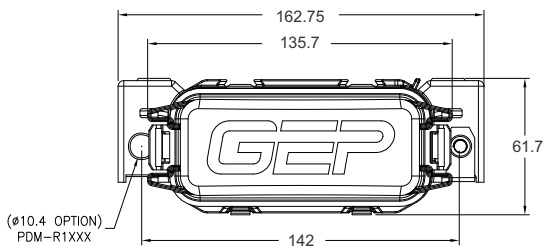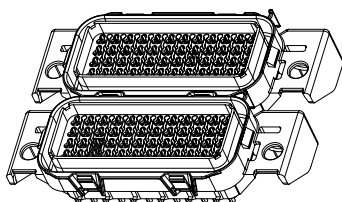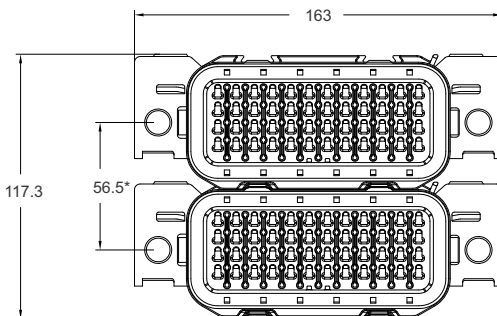
Units are Gangable
*Dimension increases by 56.5mm for each additional module

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Component Layout Samples

	A	B	C	D	E	F	G	H	I	J	K	L
	Empty Module (48 positions)											
1												
2												
3												
4												

	A B	C D	E F	G H	I J	K L
	24 Mini fuses / Circuit Breakers					
1	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
2	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
3	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse
4	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse

	A B	C D	E F	G H	I J	K L
	12 Ultra Micro relays					
1 / 2	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay
3 / 4	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay	Ultra Micro Relay

	A B C	D E F	G H I	J K L
	8 Micro relays			
1 / 2	Micro Relay	Micro Relay	Micro Relay	Micro Relay
3 / 4	Micro Relay	Micro Relay	Micro Relay	Micro Relay

	A B C	D	E F G	H	I J K	L
	3 Mini relays or Flashers					
1	Mini Relay or Flasher		Mini Relay or Flasher		Mini Relay or Flasher	
2						
3						
4	⊠⊠⊠		⊠⊠⊠		⊠⊠⊠	

	A B C	D E	F G	H	I J K	L
	Sample Assortment					
1	Mini Relay or Flasher	Micro Relay		Fuse	Mini Relay or Flasher	
2				Fuse		
3		Micro Relay		Breaker		
4	⊠⊠⊠			Breaker	⊠⊠⊠	

Component information:
1. Fuses, Breakers, diodes etc. use 2 positions (1x2).
2. Ultra Micro Relays used 4 positions (2x2).
3. Micro Relays use 6 positions (3x2).

Mini Relays & Flasher Relays:
1. Cannot be fitted directly beside each other.
2. Maximum of 3 can be fitted.
3. Each one covers 12 positions.

⊠ Unusable position

☐ Empty position

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