POWER DIST. MODULE SEALED - 48 POSITION

GEP POWER PRODUCTS

NEW

IP66

This 48 position power distribution module provides compact, durable and sealed main power or auxiliary power for the transportation market. PDM's interlock to allow for growth. This high density module can be fitted with a mix of 280 style 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: 32VDC **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.
Ingress Protection Rating: IP66.
Terminal Tools: Terminal crimping & removal tools available.
Components: Mini fuses, breakers and relays are not included.
Features: Gang mount feature. Interconnect multiple modules side-by-side. Terminal numbering on rear of base.
Options: Custom labels and kits. **Approvals:** RoHS

48 Way PDM

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 (110-160mm Max).
PDM-TK	PDM Diode Key Red Plastic.
12084201	Terminal Female (#22-20AWG), 0.35 - 0.5mm^2
12077411	Terminal Female (#18-16AWG), 0.80 - 1.0mm^2
12129493	Terminal Female (#14-12AWG), 2.0 - 3.0mm^2
12077413	Terminal Female (#10AWG), 5.0mm^2
15324983	Cable Seal Dark Red, 1.70 - 1.29mm Cable Dia.
15324982	Cable Seal Green, 2.85 - 2.03mm Cable Dia.
15324980	Cable Seal Grey, 3.49 - 2.81mm Cable Dia.
15324981	Cable Seal Blue, 4.30 - 3.45mm Cable Dia.
12010300	Cavity Plug Green, 6.7mm Cavity inside Dia.

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-TTI
8 Positions

DIODE KEY:
PDM-TK

Diode key drops into PDM base slot as pictured.

MOUNTING CLIP:
PDM-TMC

RELATED PRODUCTS:

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

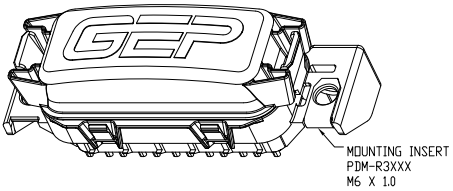
ISO 280 Relays Ultra Micro, Micro & Mini. 12VDC & 24VDC.

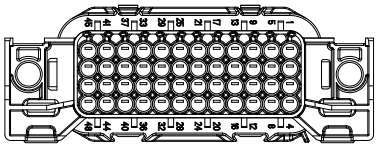
Terminal, Seal & Plug Kits.
TERMKIT002

Tanged Cables, Jumpers, Splice Connectors,

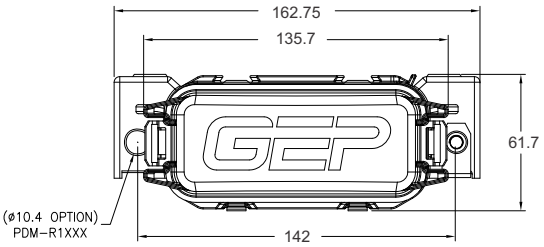
Crimping Tools & Terminal Removal Tool.

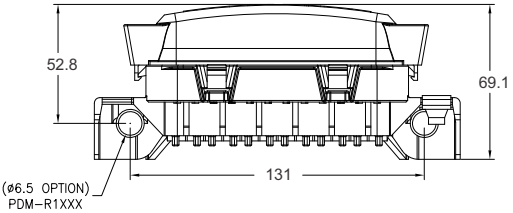
Series P/N	Mounting Configuration
PDM-R1xxx	6.5mm holes for side or top mount
PDM-R2xxx	Side mount with threaded insert
PDM-R3xxx	Top mount with threaded insert
PDM-R4xxx	10.5mm holes for side or top mount

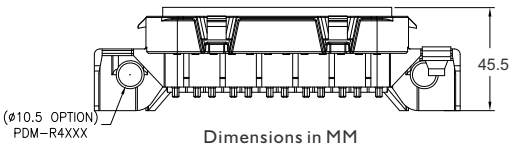




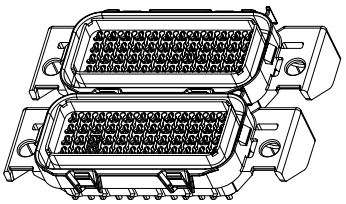
Terminal Numbering
(Rear of Unit)



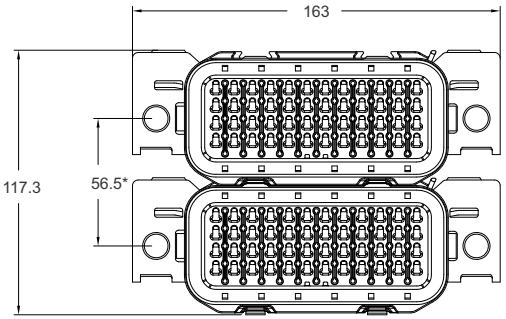




Dimensions in MM



Ganged Units



Units are Gangable

*Dimension increases by 56.5mm for each additional module

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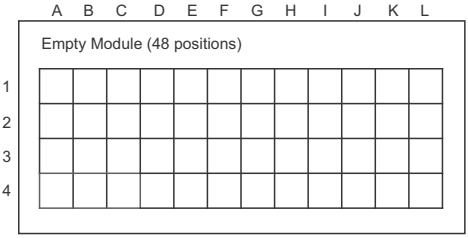
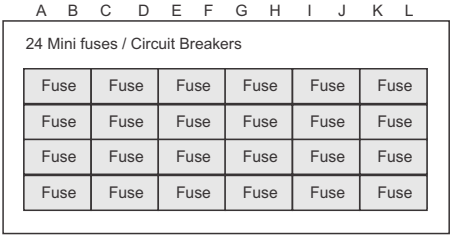
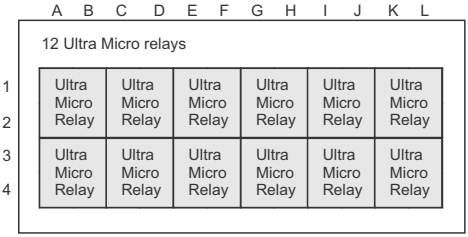
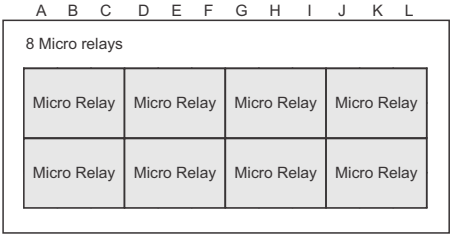
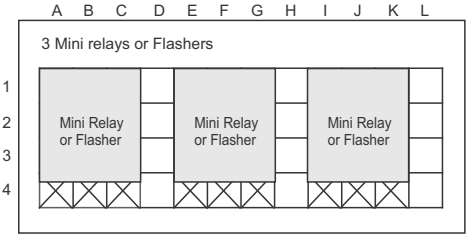
Component Layout Samples

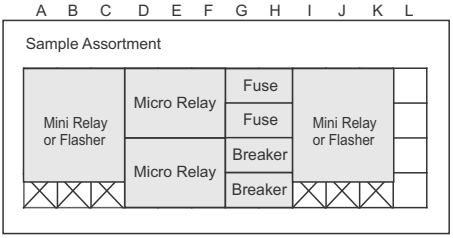












Component information:

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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