POWER DIST. MODULE SEALED - 12 POSITION

GEP POWER PRODUCTS

NEW

IP67

The FRH-A12 series module is a 12 position power distribution module providing a compact, durable and sealed power distribution solution for the transportation market. This 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 Relays and ISO 280 Micro Relays.

Voltage Rating: 58VDC **Rating:** 125A
Terminal Rating: 30A continuous.
Terminal Capacity: 12 terminals on a layout matrix of (2 x 6).
Terminals: Delphi Metri-Pack 280 Female Sealed TANGED.
Temperature Rating: -40°C to + 125°C.
Housing: Thermoplastic, black PBT Polyester. **Cover Seal:** Silicone.
Mounting Bracket: Stainless steel, straight with anti-rotation tab.
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: IP67.
Terminal Tools: Terminal crimping & removal tools available.
Module Accessories: Optional 90 degree mounting bracket.
Components: Mini fuses, mini circuit breakers and ISO 280 relays are not included. **Approvals:** RoHS REACH



PDM 12 Position (Assembled)

Part Number	Kit Contents:
PDMKIT412	Base, Seal, Cover, Stainless Steel Bracket, TPA, CPA, 12 x Terminals (12129493), 12 x Seals (15324980), 2 x Cavity Plugs (12010300).



PDMKIT412 - PDM & Terminal Kit

Part Number	Description
FRH-A12	PDM Housing 12 Position includes Red Seal.
FRH-A12-C	PDM Cover Black PBT
FRH-A-CPA	Cover Position Assurance (CPA), 1pc Required
FRH-A12-MB-A1	Flat Bracket Anti-Rotation Tabs Zinc Plated Steel.
FRH-A12-MB-A2	Flat Bracket Anti-Rotation Tabs Stainless Steel.
FRH-A12-T	Terminal Position Assurance (TPA), 1pc Required
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.
PDM-TK	Diode Key Red Nylon.







ACCESSORIES: Delphi Metri-Pack 280

TERMINALS: TANGED
Female Sealed,
Tin Brass / Tin Plated



CABLE SEALS:
CAVITY PLUG:
Silicone



RELATED PRODUCTS:



Mini Fuses, LED Fuses, Circuit Breakers, Transorbs, Diodes, Shunts & Diode Key



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

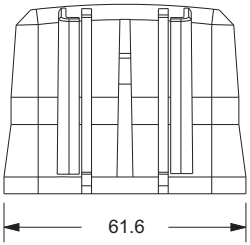


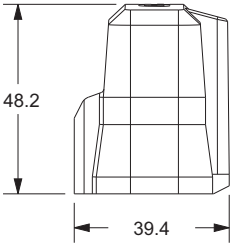
Tanged Cables, Jumpers, Splice Connectors.

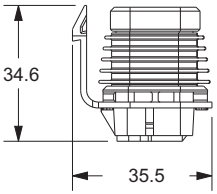


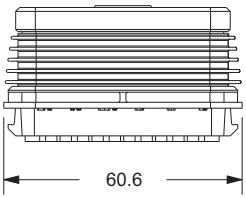
Crimping Tools & Terminal Removal Tool.

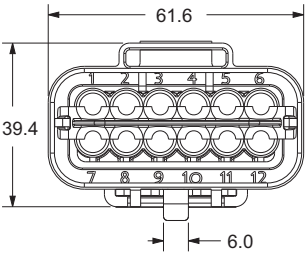
Dimensions

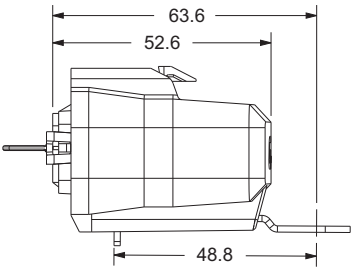


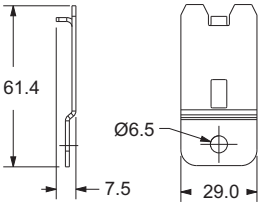




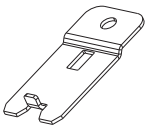


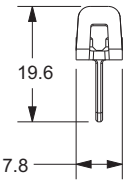




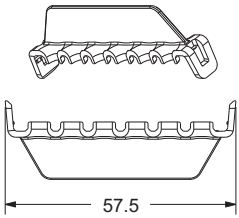


Stainless Steel Mounting Bracket (with anti-rotation tab)





Dimensions are in MM



Secondary Locks (TPA's)



FRH-A12-MB-A2



FRH-A-CPA

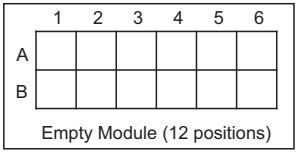


FRH-A12-T

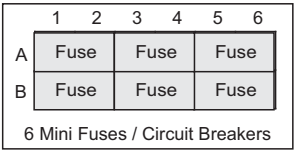


Rear View of Block

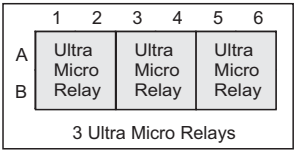
Component Layout Samples



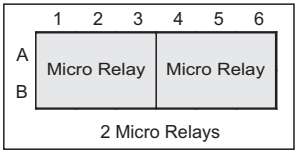
Empty Module (12 positions)



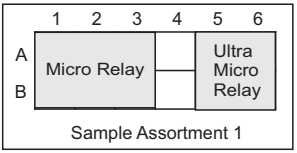
6 Mini Fuses / Circuit Breakers



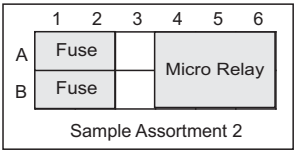
3 Ultra Micro Relays



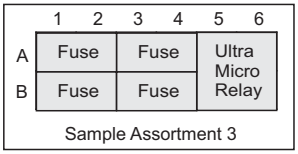
2 Micro Relays



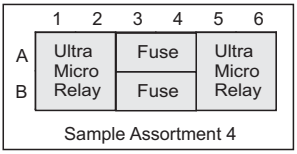
Sample Assortment 1



Sample Assortment 2



Sample Assortment 3



Sample Assortment 4

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

☐ Empty position