

POWER DIST. MODULE SEALED - 12 POSITION



IP69K IP67

The HWB12 series is a 12 position power distribution module providing a compact, durable and sealed power distribution solution for the transportation market. This unit is designed for 280 style components such as Mini blade fuses, Mini circuit breakers, 280 Relays, Mini diodes etc. with 2.8mm blades on 8.1mm centerline spacing.

Module Contents: Module includes clear cover, base, cover seal, straight mounting bracket and 3 secondary terminal locks (TPA's).

Accessory Components: Terminals, cable seals & cavity plugs, mini fuses, mini blade circuit breakers, ISO 280 ultra micro and ISO 280 micro relays.

Terminal Capacity: 12 terminals on a layout matrix of (2 x 6).

Voltage Rating: 58VDC

Maximum Continuous Current: 130A

Maximum Fuse Rating: 30A per circuit.

Temperature Rating: -40°C to +105°C.

Housing: PA66 GF30, Black, UL 94 V-0

Cover: Clear UL94 V-2 **Cover Seal:** Silicone, green.

Cover must be oriented correctly in order to secure yellow tabs.

Mounting Bracket: Plated steel - straight (standard).

Wire Size: #22 - #13 AWG (0.35 to 2.5mm²).

Ingress Protection Rating: IP67 / IP69K when cover, cable seals & cavity plugs are installed.

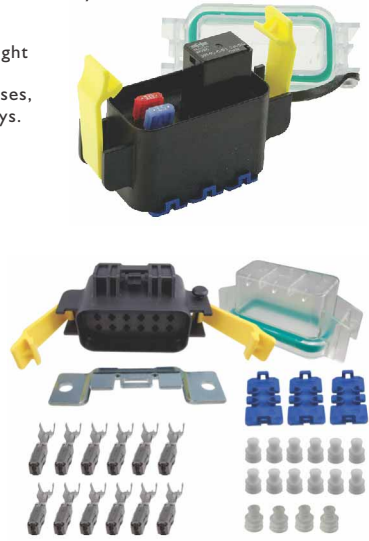
Cable Seals: Please check the overall diameter of your cable before ordering cable seals.

Terminals: Tyco AMP MCP 2.8, Female Copper Nickel / Tin Plated.

Terminal Tools: Terminal crimping & removal tools refer p.2.

Options: 30 deg. angled mounting bracket, black cover, cover tether and foam relay retention inserts.

Note : It is recommended that one foam insert be ordered for each relay & installed onto the inside of the cover as a retention device.



**PDM Module & Terminal Kit
PDMKIT331**

Part Number	Kit Contents:
PDMKIT331	Module Base, Clear Cover, Straight Bracket, 3 x TPA's, 12 x 2.5mm ² Terminals, 12 x Cable Seals & 4 x Cavity Plugs. NEW

Part Number	Description
PDM33003ZXM	PDM Module, Clear Cover, Straight Bracket, 3 x TPA's.
1-968875-1	Terminal Female (#20 - #16AWG), 0.5 - 1.0mm ²
1-968876-1	Terminal Female (#16 - #14AWG), 1.0 - 2.5mm ²
828904-1	Cable Seal Blue Silicone, 1.2 - 2.1mm Cable Dia.
828905-1	Cable Seal White Silicone, 2.2 - 3.0mm Cable Dia.
828922-1	Cavity Plug Clear Silicone, 5.6mm Cavity inside Dia.
901-327	Foam Relay Retention Insert (optional).
868-068	Angled Bracket 30 Degree (optional).
890009470	Cover Tether (optional).



POWER DIST.

PDM Module Kit (page 2)

PDMKIT331

Loose
Terminals
Kit



Optional Accessories (pages 2 - 4)

Add these parts to complete your installation.



Mini Fuses, Mini Resistors, Mini Diodes, Mini Shunts, Mini Blade Circuit Breakers & ISO 280 Relays.

12 Position Module Kit with Terminals

Part Number
PDMKIT331

Kit Contents:

- PDM33003ZXM block with cover
- 1 x straight bracket
- 3 x secondary locks for terminal TPA
- 12 x terminals (1.5 - 2.5mm²).
- 12 x cable seals (2.2 - 3.0mm dia. cable).
- 4 x cavity plugs
- 1 x black cover tether



TERMINAL TOOLS

Prolec

Terminal Crimp Tool

Part Number Description
CT-P78 Delphi Metri-Pack 280 &
Tyco AMP MCP 2.8 terminals.



Need help using this crimp tool?
Scan the QR code to view instructions.

Scan this
QR Code
for more
information



QR Code: 8001



Search these part numbers on our website for datasheets.

TERMINALS, CABLE SEALS & CAVITY PLUG

Prolec

Part Number	Description
1-968875-1	Terminal Female (#20 - #16AWG), 0.5 - 1.0mm ²
1-968876-1	Terminal Female (#16 - #14AWG), 1.0 - 2.5mm ²
828904-1	Cable Seal Blue Silicone, 1.2 - 2.1mm Cable Dia.
828905-1	Cable Seal White Silicone, 2.2 - 3.0mm Cable Dia.
828922-1	Cavity Plug Clear Silicone, 5.6mm Cavity inside Dia.

AMP MCP 2.8

TERMINALS:

Female
Copper Nickel / Tin plated



CABLE SEALS:

Silicone



CAVITY PLUG:

Silicone



PLUG-IN COMPONENTS

Minifuse 32VDC

Part Number	Ampere Rating
MIN002	2A
MIN003	3A
MIN004	4A
MIN005	5A
MIN07.5	7.5A
MIN010	10A
MIN015	15A
MIN020	20A
MIN025	25A
MIN030	30A



Minifuse 32VDC (Indicating)

Part Number	Ampere Rating
MIND003-32V	3A
MIND005-32V	5A
MIND07.5-32V	7.5A
MIND010-32V	10A
MIND015-32V	15A
MIND020-32V	20A
MIND025-32V	25A
MIND030-32V	30A



Minifuse 32VDC Assortment

Part Number	Description
MINI-KIT2	35 Piece fuse kit assortment.

This fuse kit contains;

- MIN005 x 5 pcs
- MIN07.5 x 5 pcs
- MIN010 x 5 pcs
- MIN015 x 5 pcs
- MIN020 x 5 pcs
- MIN025 x 5 pcs
- MIN030 x 5 pcs



Minifuse 58VDC

Part Number	Ampere Rating
MIN002-58V	2A
MIN003-58V	3A
MIN004-58V	4A
MIN005-58V	5A
MIN07.5-58V	7.5A
MIN010-58V	10A
MIN015-58V	15A
MIN020-58V	20A
MIN025-58V	25A
MIN030-58V	30A



Circuit Breaker (Automatic Reset)

14VDC

Automatic TII

Part Number	Ampere Rating
21105-00	5A
21175-00	7.5A
21110-00	10A
21115-00	15A
21120-00	20A
21125-00	25A
21130-00	30A



Circuit Breaker (Modified Reset)

14VDC

Modified TII

Part Number	Ampere Rating
21205-00	5A
21275-00	7.5A
21210-00	10A
21215-00	15A
21220-00	20A
21225-00	25A
21230-00	30A



Circuit Breaker (Manual Reset)

28VDC

Manual TIII

Part Number	Ampere Rating
23305-00	5A
23375-00	7.5A
23310-00	10A
23315-00	15A
23320-00	20A
23325-00	25A
23330-00	30A



Mini Diodes

Part Number	Description
02400104P	Diode
22903-6	Diode
22903-6V	Diode



Mini Devices

Part Number	Product
22901-1.5	Transorb
22902-68	Resistor



PLUG-IN COMPONENTS - cont'd

Ultra Micro Relays (ISO 280)

Part Number	Description
3031AHCR112	12V Normally Open 4 pin (SPST)
3031AHCR124	24V Normally Open 4 pin (SPST)



Search these part numbers on our website for datasheets.

Micro Relays (ISO 280)

Part Number	Description
3011ACR112	12V Normally Open 4 pin (SPST)
3011ACR124	24V Normally Open 4 pin (SPST)
3011CCR112	12V Change Over 5 pin (SPDT)
3011CCR124	24V Change Over 5 pin (SPDT)

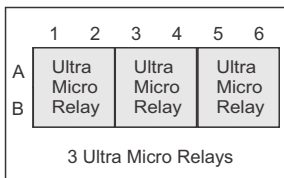
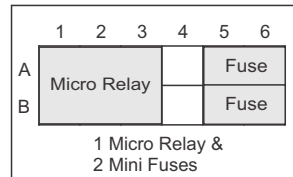
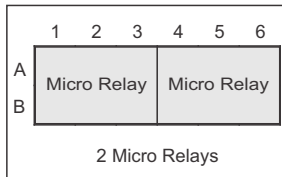
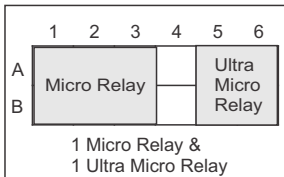
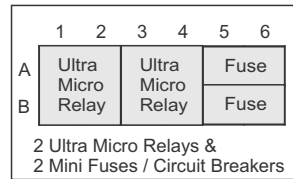
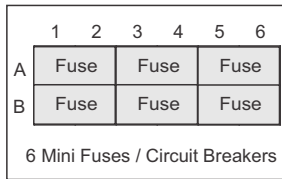
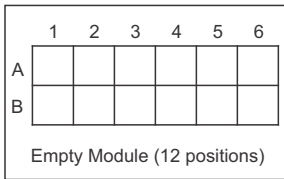


MODULE SPECIFICATIONS

Littelfuse
HWB12 Series

Component Layout Samples

This unit can accommodate Mini fuses, diodes, resistors, transorbs, mini circuit breakers, ultra micro & micro relays.



Empty position

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).
4. Mini relays do NOT fit into this unit.
5. Flashers do NOT fit into this unit.

Product Dimensions

