

HWB18 SERIES

58 V 100 A Hard-Wired Waterproof DC Power Distribution Box for MINI® Fuses, Circuit Breakers & Relays



PDM31001ZXM

Description

Ideal for use as the main unit on small vehicles or for accessory circuits and overflow circuits from your main power distribution module (PDM), the compact HWB18 Hard-Wired Waterproof DC Power Distribution Box accepts MINI® fuses, MINI® circuit breakers, MCASE™ fuses (adapter required; sold separately), 4-pin single-pole, single-throw (SPST) relays, and 5-pin single-pole, double-throw (SPDT) relays.

This hard-wired PDM allows you to customize your own circuitry utilizing direct wire-to-component connections which are crimped to the wire harness with grommets to seal the bottom of the module. Terminal position assurance (TPA) locks offer secondary protection to keep the wires in place. The HWB18 series uses Delphi Metri-Pack 280 terminals, cable seals, and cavity plugs (sold separately).

Featuring a black cover with a gasket, this dust-tight, waterproof power distribution box carries an IP67/IP69K rating, and it features latches that keep the cover securely in place. The base and cover accept a tether (873-680; not included) that helps prevent loss of the cover during service.

Web Resources

Download 2D print, installation guide and technical resources at: littelfuse.com/HWB18

Ordering Information

PART NUMBER	DESCRIPTION	HOUSING	MOUNTING HOLE	MOUNTING METHOD
PDM31001ZXM	Nine-Component MINI® Hard-Wired Waterproof Power Distribution Box with TPAs & Bracket	Black Thermoplastic	ø6.2	Mounting Bracket, Use M6 Bolt And Lock Washer
PDM31002ZXM	Nine-Component MINI® Hard-Wired Waterproof Power Distribution Box with TPAs	Black Thermoplastic	-	Mounting Bracket (868-066 Type, Not Included)
PDM31003ZXM	Nine-Component MINI® Hard-Wired Waterproof Power Distribution Box	Black Thermoplastic	-	Mounting Bracket (868-066 Type, Not Included)
PDM31004ZXM	Nine-Component MINI® Hard-Wired Waterproof Power Distribution Box with TPAs & Foam Insert	Black Thermoplastic	-	Mounting Bracket (868-066 Type, Not Included)
868-066	30° Metal Mounting Bracket	Steel Plated	ø6.2	Mounting Bracket, Use M6 Bolt And Lock Washer
868-964	90° Mounting Bracket for HWB6, HWB12, and HWB18 Hard-Wired Power Distribution Boxes	Steel Plated	ø6.2	Mounting Bracket, Use M6 Bolt And Lock Washer
868-965	Thermoplastic Base	Black Thermoplastic	-	-
873-032	Thermoplastic Cover	Black Thermoplastic	-	-
875-584	MCASE/MINI Adapter			
883-084	Terminal Position Assurance (TPA) Locks	Blue Thermoplastic	-	-
901-106	Silicone Rubber Seal	Green Silicon Rubber	-	-
901-320	Foam Insert for Relay Retention	Red Silicon Rubber	-	-

Specifications

Max Voltage Rating Continuous:	58VDC
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Max Total Continuous Current:	100A @23°C 70A @ 85°C
Operating Temp Range:	-40C to + 105°C
Ingress Protection:	IP67 IP69K
Input Terminals:	Aptiv Delphi Metri-Pack 280 Series
Fuse Type:	MINI Fuse

Applications

- Work Trucks and Specialty Equipment
- Emergency Vehicles
- Construction Site Support Equipment
- Oil and Gas Drilling Equipment
- Marine Vehicles and Equipment

Features and Benefits

- Holds nine MINI® fuses or a combination of MINI® fuses, MINI® circuit breakers, MCASE™ fuses (adapter required; sold separately), 4-pin single-pole, single-throw (SPST) relays, and 5-pin single-pole, double-throw (SPDT) relays
- Maximum total continuous current rating of 100 A @ 23 °C and 70 A @ 85 °C
- Black cover is sealed with a gasket to an IP67/IP69K rating to deliver a waterproof power distribution box that's safeguarded from dust, moisture, and debris
- Available with TPAs to help prevent disconnection of wires due to vibration and accidental snagging
- Optional foam pad available on the inside of the cover for relay retention
- Thermoplastic base and cover with a UL 94 V-0 flammability rating
- UL certification means it can be used as a component in material handling and electric-battery-powered industrial truck applications with confidence that it meets the requirements of UL 583 standards