HWB60-AL SERIES

58 V 250 A Hard-Wired Waterproof Power Distribution Box with AssureLatch™

PDM71001ZXM

Specifications

Max Voltage Rating Continuous:	58VDC
Max Voltage Rating	58VDC
Max Total Continuous Current:	250A
Housing:	Black Thermoplastic
Ingress Protection:	IP67 / IP69K
Input Terminals:	Delphi Metri-Pack 280 Sealed (Sold separately)
Fuse Type:	MINI, MINI Series Circuit Breakers, M-CASE+ Unslotted With Adapter
Mounting Hole Dimensions:	2X ø6.4, 2X ø6.4X12.2
Mounting Method:	M6 Bolt and Lock Washer

Description

Are you looking for a compact, easy-to-install waterproof fuse and relay box? The HWB60-AL Series Hard-Wired Waterproof Power Distribution Box with AssureLatch™ is a great choice for protecting accessory circuits and overflow circuits from a main power distribution module (PDM). This DC power distribution box is also ideal for use as the main power distribution block in small vehicles.

Accepting MINI® fuses, MINI® circuit breakers, MCASE™ fuses (adapter required; sold separately), diodes, and ISO 280-style relays, including 4-pin single-throw relays and 5-pin double-throw relays, this hard-wired power distribution box allows you to customize your own circuitry utilizing direct wire-to-component connections. Terminal position assurance (TPA) locks offer secondary protection to keep the wires in place. The HWB60-AL series uses Delphi Metri-Pack 280 tanged terminals, cable seals, and cavity plugs (not included).

The thermoplastic cover and gasket help ensure this dust-tight, waterproof power distribution box meets IP67 and IP69K or IP68 and IP69K rating standards, depending on the model. Plus, the HWB60-AL series features AssureLatch™ positive-sealing latches that keep the cover securely in place.

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 30 MINI® fuses or a combination of MINI® fuses, MINI® circuit breakers, MCASE™ fuses (adapter required; sold separately), and ISO 280 relays
- Maximum total continuous current rating of 250 A
- Elimination of internal bussing allows the user to customize the circuitry with direct wire-to-component connections
- IP67/IP69K or IP68/IP69K sealed waterproof power distribution block stands up to road splash and can be installed nearly anywhere on the vehicle
- AssureLatch™ positive-sealing latches keep the cover securely in place while allowing for fast service
- Terminal position assurance (TPA) locks help prevent disconnection of wires due to vibration and accidental snagging
- Dovetail features enables expansion with multiple HWB60 or HWB60-AL units or other compatible interlocking PDMs and fuse holders
- Available with high-temperature Gore vent that allows pressure to be released to maintain IP ratings at higher temperatures
- Thermoplastic base and cover with a UL 94 V-0 flammability rating

Web Resources

Download 2D print, installation guide and technical resources at: **littelfuse.com/HWB60AL**

Ordering Information

PART NUMBER	DESCRIPTION	OPERATING TEMPERATURE
PDM71001ZXM	58 V 250 A Hard-Wired Power Distribution Box with Tool-Style AssureLatch™ and IP67/IP69K Rating	-40 °C to +125 °C
PDM71003ZXM	58 V 250 A Hard-Wired Power Distribution Box with AssureLatch™ and IP67/IP69K Rating	-40 °C to +125 °C
PDM71004ZXM	58 V 250 A Hard-Wired Power Distribution Box with Tool-Style AssureLatch™, IP67/IP69K Rating & Relay Retention Grid	-40 °C to +125 °C
PDM71006ZXM	58 V 250 A Hard-Wired Power Distribution Box with Tool-Style AssureLatch™, Gore Vent & IP68/IP69K Rating	-40 °C to +105 °C
PDM71008ZXM	58 V 250 A Hard-Wired Power Distribution Box with AssureLatch™, Gore Vent & IP68/IP69K Rating	-40 °C to +105 °C
PDM71009ZXM	58 V 250 A Hard-Wired Power Distribution Box with Tool-style AssureLatch™, Gore Vent, IP68/IP69K Rating & Relay Retention Grid	-40 °C to +105 °C
873-018	Cover for HWB60-AL Power Distribution Box	-40 °C to +125 °C

© 2023 Littelfuse, Inc.