HWB6 SEALED POWER DISTRIBUTION MODULE

Compact Hard-Wired PDM for 280 Style Components

UL CE RoHS
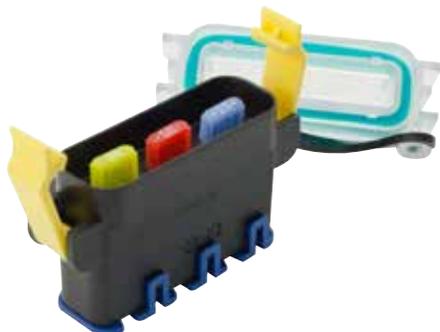
Description

The HWB6 Compact Hard-Wired Box features 6 cavities that accept 2.8mm fuse components and is the perfect fit for accessory circuits and overflow circuits from your main Power Distribution module. The HWB6 can hold plug-in components including MINI fuses and MINI format circuit breakers. The HWB6 features durable construction, an IP67/IP69K rating, and a compact size. The user can customize their own circuitry utilizing direct wire-to-component connections which are crimped to the wire harness with grommets to form the sealing for the lower parts of the HWB6.

Features and Benefits

- AssureLatch™ yellow positive-sealing latches keep the cover securely in place while allowing for fast service.
- Accepts any MINI (280 style) fuses or circuit breakers.
- Compact size allows the unit to be installed in vehicles with limited space.
- Ideal for accessory circuits, overflow circuits from main
- IP67/IP69k sealed units can be installed virtually anywhere on the vehicle and stands up to road splash and salt spray.
- TPAs (terminal position assurance locks) give secondary locking protection of the wire leads, which help keeps leads securely in place.
- Wires plug into the back of the unit using industry-standard TE Connectivity MCP terminals.
- Tethers available to prevent loss of cover during service.
- Clear cover available to help identify fuse condition
- HWB18, HWB12 & HWB6 share the same mounting bracket so electrical system modification can be performed without bracket or sheet metal alterations.
- A UL certification for this fuseholder 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.

Specifications Overview

Max Fuse Rating:	30A per circuit
Max Continuous Current:	68A
Number of Cavities	6
Operating Temp:	-40 °C to +105 °C
Ingress Protection:	IP67/IP69K

Applications

- Accessory circuits
- Overflow circuits

Web Resources

Download 2D print and technical resources at:
littelfuse.com/hwb6

Ordering Information

PART NUMBER	COVER		AssureLatch™	UL	MOUNTING BRACKET
	BLACK	CLEAR			
PDM32001ZXM		•	•		
PDM32002ZXM	•		•	•	
PDM32003ZXM		•	•		Straight
PDM32004ZXM	•		•	•	Straight

UR file number: AU6325
TPA: Terminal Position Assurance secondary locks for wire terminals

Accessories and Service Parts

| PART NUMBER	DESCRIPTION
868-059	Base
873-019-001	Tall cover in clear
873-019-002	Tall cover in black (UR)
904-059	Silicone seal
883-086	1 pcs. AssureLatch™ with thumb release
883-085	TPA
890009470	Tether
868-964	90° mounting bracket

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Specifications

Max Fuse Rating	30A per circuit
Max Continuous Current	68A
Number of Cavities	6
Recommended Mounting	M6 bolt and lock washer
Mounting Bracket Torque	5.5-6.5 Nm
Temperature Range	-40 °C to +105 °C
Ingress Protection Rating	IP67/IP69K
Dimensions	70.9x64.3x36.4 mm
Wire Sizes	0.35-2.50 mm²
Mating Terminals & Seals	TE Connectivity MCP Series. Sold separately.
Accessories	Optional: Cover tether, 90° angle bracket

Mating Terminals and Seals Compatibility

Wire Size Range (mm²)	Insulation Diameter (mm) FLR	Materials and Finish	Part Number Strip Form	TE Cable Seal Part Number	Cable Seal Color
0.35–0.50	1.2–1.4	1-xxx-1/1-xxx-3	968882	828904-1	Blue
0.5–1.0	1.4–2.1	1-xxx-1/1-xxx-2/1-xxx-3	968855	828904-2	Blue
1.0–2.5	2.2–3.0	1-xxx-1/1-xxx-3	968857	828905-1	White
Empty Cavity	—	—	Cable Seal Plug	828922-1	Natural

Sold separately. Available from TE Connectivity.

Dimensions in millimeters

70.85±0.15

64.31±0.15

66.99±0.15

29.33±0.15

36.39±0.15
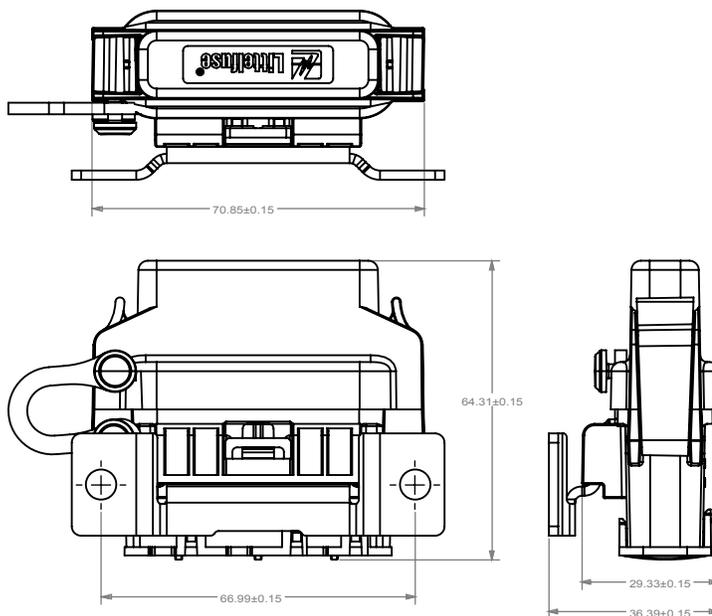
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