

HWB18 SEALED POWER DISTRIBUTION MODULE

Compact Hard-Wired PDM for 280 Style Components





Description

The HWB18 Compact Hard-Wired Box features 18 cavities that accept 2.8mm fuse and relay components and is the perfect fit for accessory circuits and overflow circuits from your main Power Distribution module. The HWB18 can hold plug-in components including MINI fuses, MINI format circuit breakers, 4-pin single throw relays, and 5-pin double throw relays. The HWB18 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 seal the bottom of the module.

Features and Benefits

- Cover latches keep the cover sealed and securely in place.
- Accepts any mini (280 style) circuit protection component.
- Compact size allows the unit to be installed in vehicles with limited space.
- Ideal for accessory circuits, overflow circuits from main or as a main module on smaller vehicles.
- 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 industrystandard Delphi Metri-Pack Series 280 tanged terminals.
- Available with or without steel mounting bracket. Module snaps into bracket, and is held at 30° angle or 90° angle (bracket dependent) to allow easy viewing and servicing
- Tethers available to prevent loss of cover during service.
- Optional grid on inside cover available; functions as relay retention insert
- 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-batterypowered industrial truck applications with confidence that it meets the requirements of UL 583 standards.

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Specifications Overview

Max Fuse Rating: 30A per circuit

Max Continuous Current: 100A
Number of Cavities 18

Operating Temp: $-40 \, ^{\circ}\text{C} \text{ to } +105 \, ^{\circ}\text{C}$ **Ingress Protection:** IP67/IP69K

Applications

- Accessory circuits
- Overflow circuits
- · Main unit on small vehicles

Web Resources

Download 2D print and technical resources at:

littelfuse.com/hwb18

Ordering Information

PART NUMBER	COVER		TDA	FOAM		MOUNTING
	BLACK	CLEAR	TPA	FUAIVI	77	BRACKET
PDM31001ZXM	•		•		•	30°
PDM31002ZXM	•		•		•	
PDM31003ZXM	•				•	
PDM31004ZXM	•		•	•	•	

UR file number: AU6325

TPA: Terminal Position Assurance secondary locks for wire terminals

Accessories and Service Parts



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Specifications

Max Fuse Rating	30A per circuit			
Max Continuous Current	100A at 23 °C, 70A at 85 °C			
Number of Cavities	18			
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	80.4x69.8x45.2 mm			
Wire Sizes	0.35-3.00 mm ²			
Mating Terminals & Seals	Delphi Metri-Pack 280 Sealed female (tanged) See chart below for details. Sold separately.			
Accessories	Optional: Cover tether, mounting bracket, TPAs, 30° angle bracket, 90° angle bracket			

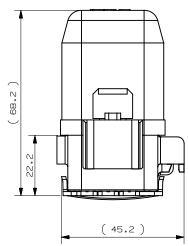
Mating Terminals and Seals Compatibility

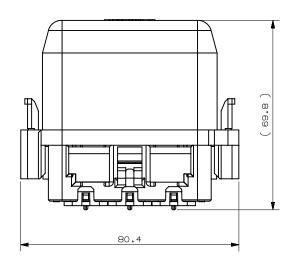
Wire Size Range (mm²)	Insulation Diameter (mm)	Terminal	Cable Seal	Cable Plug
0.50-0.35 mm ²	1.84-2.51 mm	12084201	12089679 / 12041351	
1.00-0.80 mm ²	2.03-3.12 mm	12077411	12041351 / 12015323	12010300
3.00-2.00 mm ²	2.45-3.80 mm	12129493	12015323 / 12015359	

Sold separately. Available from Delphi.

80.4 65.4

Dimensions in millimeters







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