

# HWB60-AL SEALED POWER DISTRIBUTION MODULE

Compact Hard-Wired PDM for 280 Style Components



## Specifications Overview

|                                  |   |
|----------------------------------|---|
| <b>Max Fuse Rating:</b>          | 30A per circuit   |
| <b>Max Continuous Current:</b>   | 250A  |
| <b>Number of Cavities</b>        | 60  |
| <b>Mounting Torque:</b>          | 4-6 Nm  |
| <b>Operating Temp:</b>           | See page 2 for temperature ratings                        |
| <b>Ingress Protection:</b>       | IP67/IP68/IP69K   |
| <b>Material:</b>                 | Body & Cover: UL94-V0<br>TPA: UL94-V0<br>Gasket: Silicone |
| <b>Corrosion Test:</b>           | 96 hours - salt spray test to ASTM standard               |
| <b>Vibration and Shock Test:</b> | SAE J1455   |

## Features and Benefits

- AssureLatch™ yellow positive-sealing latches keep the cover securely in place while allowing for fast service.
- 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 PDM, or as a main module on smaller vehicles.
- IP67/IP68/IP69K sealed units can be installed in many locations on the vehicle and stand 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 Delphi Metri-Pack Series 280 tanged terminals.
- Multiple units can be dovetailed together to expand capacity. They can also be interlocked to other Littelfuse PDMs and fuse holders. (FLEC, Flex-MEGA, Flex-MIDI).
- Add-on accessory can hold a fuse puller and spare fuses.
- Tethers available to prevent loss of cover during service.
- Optional grid on inside cover available; functions as relay retention insert
- High Temperature Gore Vent allows for max operating temp to increase from 85°C to 125°C. High Temperature Gore Vents allow for heat and pressure to be expelled, while maintaining IP Ratings.

## Description

The HWB60-AL Hard-Wired Box is the perfect fit for accessory circuits and overflow circuits from your main PDM. For smaller vehicles, this unit is an ideal solution as a main vehicle module. It features durable construction, an IP-rated housing, and a compact size. The additional vent assures sealing up to 125°C. The user can customize their own circuitry utilizing direct wire-to-component connections.

## Applications

- Accessory Circuits
- Overflow Circuits
- Primary on Small Vehicles

## Ordering Information

| PART NUMBER | AssureLatch™ |      | GRID | HIGH TEMP (VENTED) | IP RATING |
|-------------|--------------|------|------|--------------------|-----------|
|             | FINGER       | TOOL |      |                    |           |
| PDM71001ZXM |              | •    |      |                    | IP67/69K  |
| PDM71003ZXM | •            |      |      |                    | IP67/69K  |
| PDM71004ZXM |              | •    | •    |                    | IP67/69K  |
| PDM71006ZXM |              | •    |      | •                  | IP68/69K  |
| PDM71008ZXM | •            |      |      | •                  | IP68/69K  |
| PDM71009ZXM |              | •    | •    | •                  | IP68/69K  |

## Web Resources

Download 2D print and technical resources at:  
[littelfuse.com/HWB60-AL](http://littelfuse.com/HWB60-AL)

## Accessories and Service Parts

| PART NUMBER | DESCRIPTION                 |
|-------------|-----------------------------|
| 868-055     | Base (non-vented)           |
| 873-018     | Cover                       |
| 901-323     | Gasket                      |
| 883-083     | TPA (6 needed per assembly) |
| 873-680     | Optional Tether             |
| 901-322     | Grid                        |

## HWB60-AL SEALED POWER DISTRIBUTION MODULE

### Specifications

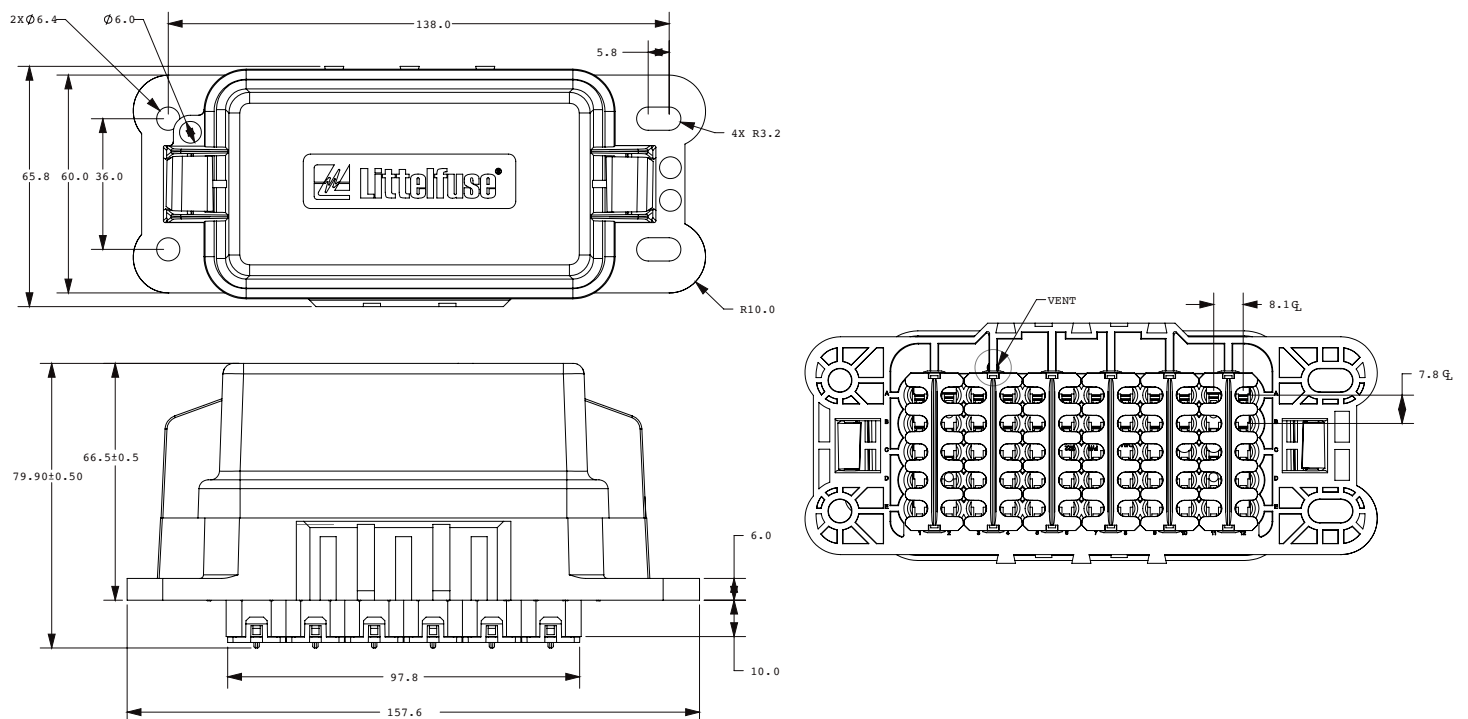
|                                     |   |
|-------------------------------------|---|
| <b>Max Fuse Rating</b>              | 30A per circuit   |
| <b>Max Continuous Current</b>       | 250A  |
| <b>Number of Cavities</b>           | 60  |
| <b>Recommended Mounting</b>         | M6 bolt and lock washer   |
| <b>Mounting Torque</b>              | 4-6 Nm  |
| <b>Temperature Range</b>            | PDM71001ZXM, PDM71003ZXM, PDM71004ZXM: -40 °C to +85 °C<br>PDM71006ZXM, PDM71008ZXM, PDM71009ZXM: -40 °C to +125 °C                                       |
| <b>Ingress Protection Rating</b>    | PDM71001ZXM, PDM71003ZXM, PDM71004ZXM: IP67/69K<br>PDM71006ZXM, PDM71008ZXM, PDM71009ZXM: IP68/69K  |
| <b>Dimensions</b>                   | 158 x 66 x 79 mm  |
| <b>Labels</b>                       | Consult Littelfuse for label options  |
| <b>Wire Sizes</b>                   | 0.35-5.00 mm <sup>2</sup>   |
| <b>Mating Terminals &amp; Seals</b> | Delphi Metri-Pack 280 Sealed female (tanged). Sold separately. See chart below for details. Terminal featured in plastic housing to prevent misinsertion. |
| <b>Accessories</b>                  | Optional: Cover tether, relay retention insert, custom footprint label  |

### Mating Terminals and Seals Compatibility

| Wire Size Range (mm <sup>2</sup> ) | Insulation Diameter (mm)  | Terminal | Cable Seal        | Cable Plug |
|------------------------------------|---------------------------|----------|-------------------|------------|
| 0.50-0.35 mm <sup>2</sup>          | 1.70-1.29 mm <sup>2</sup> | 12084201 | 12034365/15324983 | 12010300   |
| 1.00-0.50 mm <sup>2</sup>          | 2.15-1.60 mm <sup>2</sup> | 12077411 | 12089444/15324985 | 12010300   |
| 2.00-1.00 mm <sup>2</sup>          | 2.85-2.03 mm <sup>2</sup> | 15363933 | 12015284/15324982 | 12010300   |
| 3.00-2.00 mm <sup>2</sup>          | 3.49-2.81 mm <sup>2</sup> | 12129493 | 12015359/15324980 | 12010300   |
| 3.0-5.0 mm <sup>2</sup>            | 4.30-3.45 mm <sup>2</sup> | 12077413 | 12015360/15324981 | 12010300   |

Sold separately. Available from Delphi.

### Dimensions in millimeters



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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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