Description

The 2-Pole High Power Distribution Module (HPDM) is designed for OEM and aftermarket applications in the heavy truck and trailer industry. When connected to a tractor / trailer’s electrical system it provides two high current MEGA® fuse protected circuit outputs as well as an un-fused output that can optionally be used to parallel multiple modules or deliver power to circuits which do not require circuit protection.

Features and Benefits

- Separate fuse compartment provides a seal that protects the fuses and their terminations from harsh environments. This allows for permanent cable connections that can be dielectrically sprayed without affecting the fuse.
- Custom insert-molded studs for input/output cable terminations and MEGA® fuse attachment, resulting in high terminal torque capability and lower connection resistance.
- Designed to minimize bridging corrosion between positive live metal surfaces and potentially grounded assembly hardware or mounting surfaces.
- Metal inserts at the mounting holes allows for an increased assembly torque without distorting the base material.
- Optional un-fused terminal for daisy chaining multiple devices or providing power distribution to circuits which cannot be fused.
- AssureLatch™ Technology positive-sealing latches keep the cover securely in place while allowing for fast service.
- Cover label recess allows optional addition of application-specific labels per end-customer requirements.

Specifications Overview

- **Max Voltage**: 48 Vdc
- **Max Input Current**: 600 A
- **Max Current per Circuit**: 300 A
- **Fuse Hardware**: 4x M8x1.25 (included)
- **Fuse Torque**: 15 Nm
- **Input/Output Hardware**: 1x M8x1.25, 3x M10x1.50 (sold separately)
- **Input/Output Torque**: 20 Nm (Max install 300 RPM)
- **Mounting Hardware**: 2x M8 (sold separately)
- **Mounting Torque**: 30Nm
- **Operating Temp**: -50°C to +105°C
- **Ingress Protection**: IP67, IP69K
- **Flammability Rating**: UL94-V0
- **Dimensions**: 129 x 125 x 45 mm

Web Resources

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

Ordering Information

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>VOLTAGE</th>
<th>AMPERAGE</th>
<th>FUSE TYPE</th>
<th>POLES</th>
<th>FUSE HARDWARE</th>
<th>INPUT/OUTPUT HARDWARE</th>
<th>MOUNTING HARDWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>880195400</td>
<td>48</td>
<td>600</td>
<td>MEGA®</td>
<td>2</td>
<td>4x M8x1.25 (included)</td>
<td>1x M8x1.25, 3x M10x1.50 (sold separately)</td>
<td>2x M8 (sold separately)</td>
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<td>15 Nm</td>
<td>20 Nm (max install 300 RPM)</td>
<td>30 Nm</td>
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Note: Custom fuses loadings available. Minimum order quantity required. Contact your manufacturing rep for details.
Dimensions in millimeters

![Dimensions Diagram]

Application Drawing

![Application Drawing Diagram]