

# MINIFLEC™ SERIES

## SEALED CONFIGURABLE POWER DISTRIBUTION MODULE



LFMX0007Z-01

### Description

The MiniFLEC™ Sealed Configurable Power Distribution Module (PDM) can be used for main electrical system protection and distribution or as a secondary power distribution box to add more capacity.

This front-access, internally bussed, connectorized PDM accepts plug-in devices, such as automotive fuses, diodes, and relays to protect and control complex electrical systems. An internally mounted Printed Circuit Board (PCB) allows bussed connections to a large number of devices.

Its dust-tight, waterproof enclosure, which protects internal circuitry from harsh conditions, such as high shock, vibration, moisture, and contaminants, is built for rugged commercial vehicle applications.

The MiniFLEC™ PDM can be purchased as a standard unloaded power distribution box (LFMX0007Z-01) or it can be built to your design requirements as a special order product. Please speak to your local Littelfuse representative for additional details.

### Web Resources

Download 2D print, installation guide and technical resources at: [littelfuse.com/MINIFLEC](http://littelfuse.com/MINIFLEC)

### Ordering Information

| PART NUMBER  | DESCRIPTION                                  | INPUT TERMINALS  | MOUNTING METHOD          | MOUNTING HOLE DIMENSIONS |
|--------------|--|--|--------------------------|--------------------------|
| LFMX0007Z-01 | 16-32V 150A Sealed Power Distribution Module | M8 Stud terminal<br>* Tyco connectors:<br>1-1670894-1 for C1<br>2-1564514-1 for C2<br>1-1418437-1 for C3<br>1-1564542-1 for C4 | Mounting Holes For Studs | 9mm for M8 studs         |

### Specifications

|   |   |
|---|---|
| <b>Current Rating Continuous Total:</b> | 150A  |
| <b>Voltage Rating Continuous:</b>       | 9 to 16VDC with 12VDC Relays<br>18 to 32VDC with 24VDC Relays |
| <b>Voltage Rating Max:</b>              | 16VDC with 12VDC Relays<br>32VDC with 24VDC Relays            |
| <b>Fuse Type:</b>                       | MINI Fuses / MCASE+ Fuses                                     |
| <b>Ignition Protection:</b>             | IP67  |
| <b>Temperature:</b>                     | -40° C TO +100° C   |
| <b>Housing:</b>                         | Black plastic, Reinforced Nylon (94V-0)                       |

### Applications

- Heavy Trucks
- Emergency Vehicles
- Mining
- Construction
- Agriculture

### Features And Benefits

- The configurable PDM accepts automotive fuses, diodes, and relays to protect and control complex electrical systems
- Rugged, reinforced-nylon enclosure with a UL94 V-0 flammability rating protects internal circuitry from harsh conditions
- IP67-rated sealed power distribution box is dust-tight and protected against temporary submersion in water
- Tethered cover securely latches to base with positive AssureLatch™ yellow latches
- The standard MiniFLEC™ PDM model accepts 3 Form C 280 series relays, 3 Form A 280 Ultra Micro series relays, and 1 ISO MINI relay as well as 11 MINI® fuses and 2 MCASE+® fuses
- All relays share a common ground circuit
- The standard MiniFLEC™ PDM is designed for panel mounting (rear-fed connectors) with base compression limiters to prevent over-torquing when the unit is mounted
- The standard MiniFLEC™ PDM includes 6 spare fuse locations (4 MINI® fuses & 2 MCASE+® fuses)