

EPC SERIES

CONFIGURABLE INTERNALLY BUSSED SEALED POWER DISTRIBUTION MODULE



LFLX0006Z-01

Description

The EPC Internally Bussed Sealed Power Distribution Module (PDM) is a configurable, connectorized automotive power distribution box for main electrical system power distribution and protection in commercial vehicles.

This power distribution module has a dense concentration of high-power circuits and accepts plug-in devices, including automotive fuses, circuit breakers, 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.

The EPC power distribution module can be built specifically to your design requirements as a special order product. Please talk to your local representative for additional details.

Web Resources

Download 2D print, installation guide and technical resources at: littelfuse.com/EPC

Specifications

| | |
|---------------------------------------|---------------------------|
| Max Voltage Rating Continuous: | 12 / 24 VDC |
| Max Voltage Rating | 32 VDC |
| Max Total Continuous Current: | 160A |
| Operating Temp Range: | -40C to + 85°C |
| Ingress Protection: | IP67 / IP69K |
| Mounting Method: | Surface / Chassis Mount |
| Mounting Hole: | 4X 6.5x9mm |
| Relay Compatible Type: | Form C 280 and Form A 280 |

Applications

- Heavy Trucks
- Construction
- Agriculture
- Emergency Vehicles
- Material Handling

Features and Benefits

- Configurable PDM accommodates plug-in devices, such as fuses, circuit breakers, diodes, and ISO 280 relays (sold separately)
- IP67/IP69K-rated sealed enclosure protects internal circuitry from harsh environmental conditions, including shock, vibration, dust, and water
- Electrical connectors support surface mount applications
- Two separate power input buses
- Tether connects the cover to the base to prevent misplacement
- Lid features five spare fuse locations

Ordering Information

| PART NUMBER | DESCRIPTION | HOUSING | FUSE TYPE | INPUT CONNECTORS |
|--------------|---|-------------------------------------|-----------|---|
| LFLX0006Z-01 | 32 V 160 A Internally Bussed Sealed Power Distribution Module | Black Thermoformed Glass Reinforced | MINI® | 4X Tyco Connector PN: 1-1670901-1, 2-1670901-1, 1-1563759-1 and 3-1563759-1 |