

FLEC™ SERIES

Flexible Electrical Center Configurable Power Distribution Module



FLEC3000Z-0U

Description

Designed for primary power distribution, the FLEC™ Series Flexible Electrical Center Configurable Power Distribution Module (PDM) accommodates circuit protection components in a compact, sealed footprint.

The FLEC™ configurable PDM can be engineered to your application to create a plug-and-play system. Its internal printed circuit board (PCB) accepts active and passive devices and allows for custom circuit configurations. The highly reliable PCB technologies used in the FLEC™ PDM reduce the risk of wiring faults.

The FLEC™ configurable PDM mates to an industry standard connection system to provide a robust solution for heavy-duty commercial vehicle and equipment environments. The use of connectorized interfaces, rather than hard-wired technologies, reduces factory assembly efforts.

In addition, the FLEC™ sealed PDM carries an IP67 rating, which allows it to be mounted in locations susceptible to moisture and dirt without any adverse effects.

Web Resources

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

Ordering Information

PART NUMBER	DESCRIPTION	HOUSING	INPUT TERMINALS
FLEC3000Z-0	16 V Max 300 A Power Distribution Module with MINI® Fuses & ISO Micro Relays	Black thermoplastic base, black cover	* M8 studs * Delphi 280 series: 16-way 15326666 for J9 14-way 15326917 for J4 8-way 15326654 for J8 * Delphi 150 series: 16-way 15326863 for J5 12-way 15326849 for J7 10-way 15326842 for J6
FLEC3000Z-0U	16 V/32 V Max 300 A Power Distribution Module - Empty		
882-841	Stepped Bus Bar for FLEC™ PDM to MEGA® Flex Fuse Holder Connection	—	—
923-025-003	Red M8 Stud Cap for FLEC™ Input Studs	—	—
FLEC0016Z-1CVR	FLEC™ PDM Cover	Black thermoplastic cover	—

Specifications

Max Voltage Rating Continuous:	12 / 24 VDC
Max Voltage Rating	16VDC / 32VDC
Max Total Continuous Current:	300A (100A per stud)
Operating Temp Range:	-40C to + 85°C
Ingress Protection:	IP67
Mounting Method:	M6 X4 Through Hole, Chassis Mount
Mounting Hole:	Ø6.50mm
Fuse Type:	MINI Fuse and ISO 18 Style Relays

Applications

- Primary Power Distribution
- Heavy-Duty Trucks
- Construction Vehicles
- Agricultural Equipment
- Emergency Vehicles

Features and Benefits

- High component density maximizes available space and limits the number of additional units required
- Flexible PDM can be configured to accept a variety of fuses, circuit breakers, and relays, including MINI®, ATO®, MAXI®, JCASE®, MCASE®, and ISO components
- Thermoplastic base and cover with a UL 94 V-0 flammability rating for mounting in harsh vehicle environments
- Sealed PDM design with an IP67 rating ensures protection against dust, water, and contaminants
- Input stud caps prevent accidental short circuits while performing maintenance to and around the power distribution box
- Internal PCB allows for custom circuit configurations, including designs requiring electronics such as those used in CAN J1939 and LIN systems
- Vented base ensures pressure equalization to maintain sealing over a wide temperature range.