FLEC™ SERIES

Flexible Electrical Center Configurable Power Distribution Module



FLEC3000Z-0U

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

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.

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.

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	–

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