



ZCASE Masterfuses

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The ZCASE Masterfuse product is the smallest high current distribution product in the industry. It utilizes the Z-Axis effectively to create a compact design which takes one third the footprint of a traditional solution. This package allows the user to replace multiple discrete fuses in a power distribution box with a single component, thus eliminating additional bolts, bus bars and interconnects. The output bolt is integrated into the fuse creating a reliable interface to the mating terminal due to its high torque withstandability. Keying features are available on each bolt position to ensure the correct mating ring terminal is used during assembly. The solution can also be connectorized to mate to high current terminals. This compact design enables the integration of the high current distribution into the main junction box due to its small footprint. This eliminates the need for a separate fuse box for high current distribution. By reducing the number of components required, overall system costs are reduced.

The ZCASE Masterfuse product is available as a standard design with customized fuse ratings. The modular manufacturing approach enables a wide range of configurations within a product family. In addition, the form factor can be fully customized for specific applications to further optimize the system. Contact Littelfuse to review your application needs.

Features and Benefits:

Miniaturization: Compact design enables a 2/3 footprint reduction when compared to a traditional solution.

Integration: Enables the integration of the prefuse function into the main junction box due to its small footprint.

Specifications

Mating Terminal Options:	M10, M8, M6, M5 bolt-down connections or female terminals
Operating Temperature Range:	-40°C to 125°C
Housing Material:	PPA-GF33HS
Fuse Ratings Available:	30-500A
Voltage Rating:	32Vdc
Materials:	Copper terminals (silver or tin plating options available)
Complies with:	ISO 8820-5

RoHS

Ordering Information

Part Number	Description	Package Size
05980015Z-CN	MFUSE ZCASE 32V 2-Way 125A - 200A	200
05980016Z-CN	MFUSE ZCASE 32V 2-Way 125A - 125A	200
05980017Z-CN	MFUSE ZCASE 32V 2-Way 275A - 200A	200
05980019Z	MFUSE ZCASE 32V 1-MEGA + 4-MIDI	100
05980020Z	MFUSE ZCASE 32V 2-MEGA + 2-MIDI	50

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