

Modular Distribution System (MDS)

10-Circuit, 15A GMT Fuse Module, Model #MDS-GMTM-10x15A

Installation Guide

1.1 Overview

Telect's 10-circuit, 15A GMT Fuse Module, Model #MDS-GMTM-10x15A, can be installed in any of Telect's nrgSMART™ MDS chassis. This module provides space for ten 15-Amp GMT fuses. The GMT Fuse Module is always in the left-most slot as you face the chassis.

The front panel on this module provides complete access to the fuses. The GMT fuse holders are mounted upside-down so that the GMT indicator flag flips downward when blown, making identification and detection easier.

Please read these instructions carefully before beginning installation. If you need assistance call Technical Support at 888-821-4856 (domestic calls), or 509-921-6161 (Option 2), or email us at getinfo@telect.com.

For additional blank fuses, order part number 101557. For GMT safety (splash/splatter) covers, order #116915 for GMT fuses up to 15A. Telect recommends using only UL-recognized supplementary protectors.

Telect supplies blank fuses for each GMT fuse position. Visit our website (www.telect.com) to order GMT fuses.

Amps	Part number	Amps	Part number	Amps	Part number	Amps	Part number
1/4	100151	1-1/2	004011	3-1/2	130782	10	004015
1/2	004001	2	004002	4	004013	10	004015
3/4	004008	2-1/2	130783	5	004014	12	102287
1	100991	3	004012	7-1/2	004010	15	102288
1-1/3	004006						

Important general installation guidelines

Circuit overloading: To prevent problems with the over-current protection and supply wiring, do not overload the circuits. Pay attention to equipment ratings listed on the nameplates.

Reliable earthing: Maintain reliable earthing of rack-mounted equipment. Pay attention to supply connections as well as direct connections to the branch circuits.

Disconnect device: Incorporate an easy-to-reach disconnect device.

ALERT

ALERT! GMT fuses have a small inherent electrical resistance, resulting in a small power loss. For this reason, the GMT fuse manufacturer recommends that the load for GMT fuses up to and including 7.5A not exceed 80% of the fuse rating and that the load for GMT fuse sizes between 10A and 20A not exceed 70% of the fuse rating. For example, the load for a 15A GMT fuse should not exceed 10.5A ($15A \times .70 = 10.5A$).

ALERT

ALERT! Verify that all connections meet requirements specified in local electric codes or operating company guidelines before supplying power. Protect this equipment with a fuse or breaker sufficient to interrupt power levels specified under “Inputs” on the table of specifications at the end of this document.

1.2 Inspection

Inspect equipment after unpacking and compare it to the packing list. Immediately report any shipping damage, defects, or missing parts to Telect at 1-800-551-4567. Keep all documentation that comes with your shipment.

Telect is not liable for shipping damage. If the package is damaged, notify the carrier and call Telect’s Customer Service Department at 1-800-551-4567 (domestic only) or 1-509-926-6000 for further recourse.

ALERT

ALERT! This product must be installed and maintained only by qualified technicians.

WARNING

WARNING! Make sure the circuit breakers and the battery disconnect switch are in the “OFF” position before removing or installing the modules. For GMT fuse-supplied equipment, turn off the equipment before removing the fuse or module.

1.3 Installing the Module

1. Always install this module in the first (left-most) slot.

To install a module, hold the module by the ears, as shown in Figure 1, align the module with the left side of the slot, as shown in Figure 2, making sure the module is properly aligned, and push until it fits firmly into the receptacles at the back of the module slot.

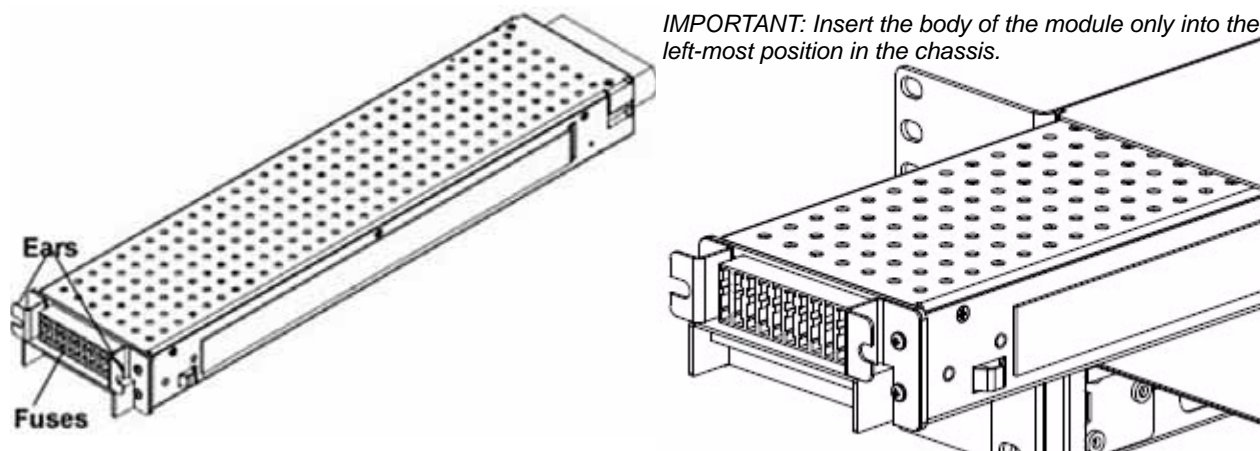


Figure 1 - Model #MDS-GMTM-10x15A

1.4 Installing a Fuse

You can install any of the fuses shown in Table 1 into the fuse panel.

1. To install a fuse, simply push the GMT fuse into the slot. If your new module has protective fuse slot covers, remove the covers with your fingers.

If you are replacing a blown fuse, open the door and check for the blown fuse.

2. Pull out the fuse that needs replacing.
3. Push a new fuse into the slot from which you just removed the old fuse.



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Blown
Fuse

1.5 Specifications

Inputs	Specifications
Voltage & Range	± 20 Vdc to ± 60 Vdc @ 20° C ± 22 Vdc to ± 58 Vdc @ 55° C
Max. Input Load Rating	150A
Max. Power Dissipation at Full Load	<200 watts
% of Full Load Power Dissipation	less than 1%
Maximum GMT Output Fuse (ea.)	15A
Maximum GMT Input Fuse (ea.)	10.5A
Output Terminals (Wire-Binding Screw Posts)	#3-48
GMT Output Wire Size Range	#30 to #16 AWG
Interrupt Rating	450A
Short-Circuit Withstand Rating	450A
Environment	Specifications
Operating Temperature	-10 C (14 F) to 55 C (131 F)
Humidity	0 to 90% and noncondensing.

NOTE: Telect assumes no liability from the application or use of this product. This document and the product described herein are subject to change without notice.