

Modular Distribution System (MDS)

DC Dual Pole Breaker Module, Model #MDS-SCBM-DP150

Installation Guide

1.1 Overview

Telect's 2-pole circuit breaker, 150A, 1-circuit module, Model #MDS-SCBM-DP150, can be installed in any of Telect's nrgSMART™ MDS chassis.

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.

ALERT

ALERT! Verify all connections meet requirements specified in local electric codes or operating company guidelines before supplying power.

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! Only qualified technicians may install and maintain this product.

These instructions presume you have verified that the Telect equipment being installed is compatible with the rest of the system, including power, ground, circuit protection, signal characteristics, equipment from other vendors, and local codes or ordinances.

1.3 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.



CAUTION

CAUTION! Do not install breakers with the breakers switched on. Doing so may damage the breakers or the panel.

Telect recommends that the individual loads not exceed 80% of circuit breaker capacity. Total load for all outputs must not exceed 200A.

1.4 Installing a module

To install a module, hold the module by the handle (see Figure 1), align it with the left side of the shelf (see Figure 2), and push in until it fits firmly into the receptacles at the back of the module slot. Make sure to orient the module as shown.

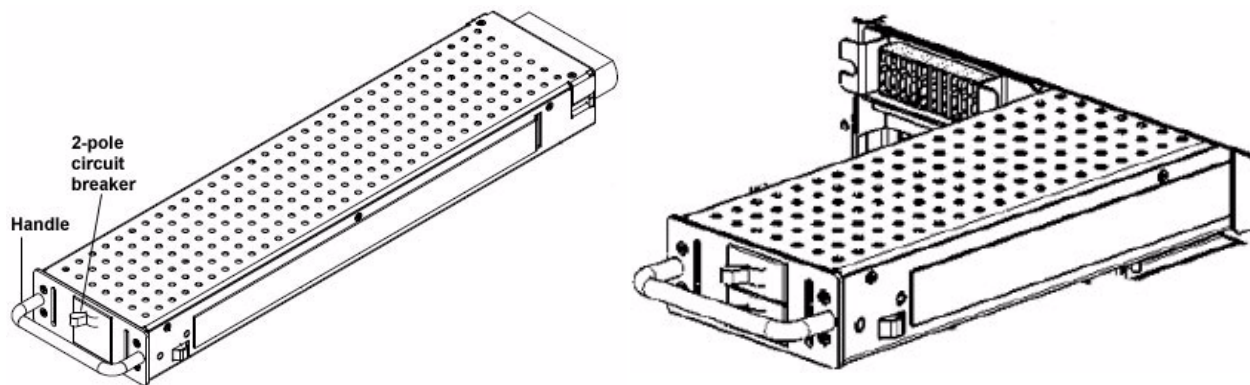


Figure 1 - Model #MDS-SCBM-DP150

NOTE: Install this module in any position in the MDS chassis except the left-most slot, which is reserved for the MDS GMT modules.

1.5 Installing or replacing a circuit breaker

Use of of the circuit breakers shown in Table 1.

Table 1 - Available circuit breakers

Amps	Part number	Description
125	138682	LMLHPB11-1RLS4-52-125.-1-01-V
150	138683	LMLHPB11-1RLS4-52-150.-1-01-V

To install or replace a circuit breaker,

1. Remove the screws from the breaker faceplate shown in the following figure and set them aside in a safe place.

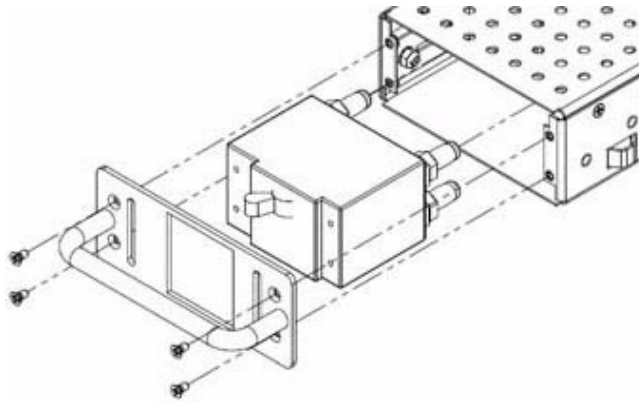


Figure 2 - Installing a breaker

2. Pull the faceplate straight out.
3. If you are replacing a breaker, pull the breaker out from the module's internal receptacles. The "bullet"-style contacts are set tightly into these receptacles, and you may have to wiggle the breaker slightly to remove it.
4. Set the new breaker in line with the receptacles inside to the module and push straight in. Make sure to orient the module as shown.
5. Using the screws from step 1, replace the breaker faceplate.

1.6 Specifications

Inputs	Specification
Voltage range	\pm @20 Vdc to \pm 60 Vdc @20° C \pm @22 Vdc to \pm 58 Vdc @55° C
Maximum input	200A
Maximum power dissipation	7200 watts
Maximum Interrupt	375A power breaker
Maximum Continuous Load	150A

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.