

Schneider Electric M800S

Schneider Electric Nema-1 Enclosure for M800S Overload Thermal Unit Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Schneider Electric Nema-1 Enclosure. This enclosure is designed to house Mg Mj Circuit Breakers and the M800S Overload Thermal Unit, providing protection for the internal electrical components in indoor, non-hazardous locations. Please read this manual thoroughly before proceeding with any procedures.

2. SAFETY INFORMATION

WARNING: Risk of electric shock or arc flash. Improper installation, adjustment, service, or maintenance can cause property damage, severe injury, or death. Read and understand this manual and the instructions for any associated equipment before installing, operating, or maintaining this product.

- All electrical work must be performed by qualified personnel in accordance with all applicable local and national electrical codes.
- Always de-energize the power supply before working on or inside the enclosure. Verify that the power is off using a suitable voltage detector.
- Use appropriate personal protective equipment (PPE) when working with electrical equipment.
- Ensure proper grounding of the enclosure.
- Do not modify the enclosure or its components. Use only genuine Schneider Electric replacement parts.

3. PRODUCT OVERVIEW

The Schneider Electric Nema-1 Enclosure is a robust metal housing designed for indoor use to protect electrical components such as circuit breakers and thermal overload units from dust, dirt, and light indirect splashing. It provides a secure environment for the M800S Overload Thermal Unit and compatible Mg Mj Circuit Breakers.



This image displays the Schneider Electric Nema-1 Enclosure. It is a gray, rectangular metal box designed to house electrical components. The front panel features two silver handles for opening, and a rectangular cutout with a smaller L-shaped opening, intended for the installation of a circuit breaker or thermal unit. The enclosure is secured with visible screws along its edges.

4. INSTALLATION AND SETUP

Installation of the Nema-1 Enclosure should only be performed by a qualified electrician.

1. **Mounting:** Select a suitable, dry, and stable indoor location for mounting the enclosure. Ensure adequate clearance for opening the door and for ventilation. Securely mount the enclosure to a wall or other rigid structure using appropriate fasteners.
2. **Internal Component Installation:** Open the enclosure door. Install the Mg Mj Circuit Breaker and M800S Overload Thermal Unit into the designated mounting points within the enclosure. Follow the specific installation instructions provided with the circuit breaker and thermal unit.
3. **Wiring:** Route all necessary electrical wiring into the enclosure through appropriate conduit entries. Connect the wiring to the circuit breaker and thermal unit terminals according to their respective wiring diagrams and local electrical codes. Ensure all connections are tight and secure.
4. **Grounding:** Connect the enclosure to a proper earth ground as required by electrical codes.

5. **Final Inspection:** Before closing the door and energizing, visually inspect all connections, ensure no loose wires, and confirm proper component seating.
6. **Energizing:** Close and secure the enclosure door. Restore power to the system.

5. OPERATION

The Nema-1 Enclosure functions as a protective housing for the electrical components installed within it. Its primary role is to shield the circuit breaker and thermal unit from environmental factors and provide a degree of protection against accidental contact. Operation of the circuit breaker and thermal unit is independent of the enclosure itself, and their specific operational instructions should be followed.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and safe operation of the enclosure and its contents.

- **Periodic Inspection:** Annually, or more frequently in dusty environments, inspect the enclosure for signs of damage, corrosion, or loose mounting.
- **Cleaning:** With power de-energized, clean the exterior of the enclosure with a damp cloth. Do not use abrasive cleaners or solvents. If necessary, carefully clean the interior with a dry, lint-free cloth, ensuring no dust or debris accumulates on electrical components.
- **Hardware Check:** Verify that all screws, bolts, and latches are secure.
- **Gasket Integrity:** Check the door gasket (if present) for signs of wear or damage to maintain its protective rating.

7. TROUBLESHOOTING

The Nema-1 Enclosure is a passive component. Most operational issues will relate to the circuit breaker or thermal unit housed within it. Refer to the specific troubleshooting guide for the Mg Mj Circuit Breaker and M800S Overload Thermal Unit.

- **Enclosure Damage:** If the enclosure is physically damaged (e.g., dents, holes), it may compromise its protective rating. Replace the enclosure if its integrity is compromised.
- **Moisture/Dust Ingress:** If moisture or excessive dust is found inside the enclosure, inspect door seals and conduit entries. Address any breaches immediately to prevent damage to electrical components.

8. SPECIFICATIONS

Attribute	Value
Manufacturer	SCHNEIDER ELECTRIC
Part Number	M800S
Item Model Number	M800S
Item Weight	0.8 ounces
Product Dimensions	10 x 10 x 10 inches
Color	Multicolor

Attribute	Value
Material	Copper
Thickness	11 Inches
Item Package Quantity	1
Included Components	M800S
Batteries Included?	No
Batteries Required?	No
ASIN	B00CONL9CY
Date First Available	May 7, 2013
UPC	785901430438



9. WARRANTY AND SUPPORT

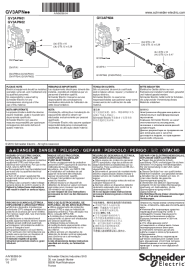
For information regarding product warranty, technical support, or service, please contact Schneider Electric directly through their official website or customer service channels. Keep your purchase receipt and product model number (M800S) available when contacting support.



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Related Documents - M800S

	<p>Schneider Electric NF Main Circuit Breaker Interiors - 600Y/347 Vac Max Panelboards</p> <p>Detailed specifications for Schneider Electric NF Main Circuit Breaker Interiors, designed for 600Y/347 Vac Max panelboards. This datasheet covers NEMA 1 and water/dirt-resistant enclosures, including part numbers, ratings, and dimensions for I-Line panelboard applications.</p>
	<p>Schneider Electric I-Line MCCB Installation and Product Selector Guide</p> <p>This document provides installation instructions and a product selector table for Schneider Electric's I-Line Molded Case Circuit Breakers (MCCBs), detailing single-pole and triple-pole models with their specifications.</p>



[Schneider Electric GV3APN Series Installation and Safety Guide](#)

Official installation and safety guide for Schneider Electric GV3APN series motor protection circuit breakers. Covers models GV3APN01, GV3APN02, GV3APN04, and accessories like GVAPK12 and GVAPP1, detailing safe installation procedures and electrical safety precautions.



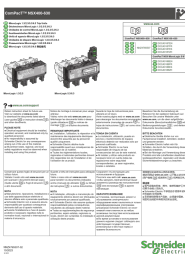
[Schneider Electric PowerPacT™ L-Frame Circuit Breaker Kit Installation Guide for NQ Panelboards](#)

This instruction bulletin from Schneider Electric provides detailed steps for installing the NQMB6PPL kit, featuring PowerPacT™ L-Frame main and sub-feed circuit breakers, onto NQ panelboards. Includes kit contents, tools, and safety precautions.



[EasyPact EXE - GOST Medium Voltage Distribution Catalog | Schneider Electric](#)

Discover the Schneider Electric EasyPact EXE GOST catalog, detailing medium voltage vacuum circuit breakers. Learn about their design for enhanced safety, simplicity, and flexibility, suitable for infrastructure, industrial, and power grid applications.



[Schneider Electric ComPacT NSX400-630 MicroLogic Trip Units: Installation and Adjustment Guide](#)

Comprehensive guide for installing, adjusting, and testing Schneider Electric ComPacT NSX400-630 circuit breakers with MicroLogic 1.3/2.3 and 5.3/6.3 trip units. Includes safety warnings, setup procedures, and setting configurations.