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Schneider Electric QMB320EX

Schneider Electric SQUARE D QMB320EX Panelboard Qmb Extension Assy User Manual

Model: QMB320EX

1. INTRODUCTION

This manual provides essential information for the proper installation, function, and maintenance of the Schneider Electric SQUARE D QMB320EX Panelboard Qmb Extension Assembly. This component is designed to extend the capabilities of compatible QMB panelboards. Please read this manual thoroughly before installation or use to ensure safe and efficient operation.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Only qualified personnel should install, operate, or service this equipment. Failure to follow these instructions can result in death or serious injury.

- Always disconnect power before working on or near electrical equipment.
- Use appropriate personal protective equipment (PPE).
- Verify all connections are secure and properly torqued.
- Ensure all local and national electrical codes are followed.
- Do not operate equipment that appears damaged.

3. PRODUCT OVERVIEW

The QMB320EX Panelboard Qmb Extension Assembly is designed to integrate seamlessly with existing QMB panelboards, providing additional capacity or functionality. It typically consists of mounting brackets and connection components necessary for extending the panelboard structure.



Figure 1: Components of the QMB320EX Panelboard Qmb Extension Assembly. The image displays three distinct metal components: a large, L-shaped bracket with two mounting holes, a smaller rectangular plate with four mounting holes, and a spring-loaded clip assembly.

4. SETUP AND INSTALLATION

Installation of the QMB320EX extension assembly requires adherence to specific electrical and mechanical procedures. It is imperative that installation is performed by a certified electrician or qualified personnel.

4.1 Pre-Installation Checks

- Verify that the QMB320EX assembly is compatible with the existing panelboard.
- Inspect all components for any signs of damage. Do not install damaged parts.
- Ensure all necessary tools and additional hardware (if required) are available.

4.2 Installation Procedure (General Steps)

1. **De-energize Panelboard:** Turn off and lock out all power sources to the panelboard where the extension will be

installed. Verify zero voltage with a suitable meter.

2. **Prepare Mounting Area:** Identify the designated area on the panelboard for the extension. Remove any covers or obstructions as necessary.
3. **Mount Brackets:** Securely attach the extension mounting brackets (e.g., the L-shaped bracket and rectangular plate shown in Figure 1) to the panelboard structure using appropriate fasteners. Ensure they are level and aligned.
4. **Connect Extension:** Integrate the extension assembly with the existing panelboard bus structure or frame as per specific QMB panelboard instructions. This may involve mechanical and electrical connections.
5. **Secure Components:** Ensure all components of the extension assembly are firmly secured and all electrical connections are properly torqued to manufacturer specifications.
6. **Re-install Covers:** Replace any removed covers or barriers, ensuring proper enclosure integrity.
7. **Test:** After installation, carefully re-energize the panelboard and perform functional tests as required by local codes and manufacturer guidelines.

5. FUNCTION AND OPERATION

The QMB320EX Panelboard Qmb Extension Assembly functions as a structural and electrical expansion for a QMB panelboard. Once correctly installed, it provides the necessary framework and connection points to add additional QMB switches, circuit breakers, or other compatible devices, thereby increasing the panelboard's capacity or modifying its configuration. It does not have user-operable controls; its operation is passive, facilitating the function of other installed components.

6. MAINTENANCE

The QMB320EX extension assembly itself requires minimal maintenance once properly installed. However, it is part of a larger electrical system that requires periodic inspection.

- **Annual Inspection:** Have a qualified electrician inspect the panelboard and all its components, including the extension assembly, annually.
- **Check Connections:** During inspections, verify that all mechanical and electrical connections remain tight and free from corrosion.
- **Cleanliness:** Ensure the interior of the panelboard remains clean and free of dust, debris, or moisture.
- **Damage Assessment:** Look for any signs of physical damage, discoloration, or overheating on any part of the assembly.

7. TROUBLESHOOTING

As a passive extension component, the QMB320EX assembly typically does not "malfunction" in the traditional sense. Issues are usually related to improper installation or external factors affecting the entire panelboard.

- **Loose Connections:** If issues arise with devices connected to the extension, first check for loose mechanical or electrical connections within the extension assembly and the devices themselves.
- **Physical Damage:** Inspect the assembly for any visible damage, bends, or breaks that might compromise its structural integrity or electrical continuity.
- **Overheating:** Discoloration or signs of heat on the assembly or connected components may indicate an overload or poor connection. Immediately de-energize and investigate.
- **Professional Assistance:** For any persistent issues or concerns regarding the panelboard or its extension, contact a qualified electrician. Do not attempt repairs if you are not qualified.

8. SPECIFICATIONS

Attribute	Value
Model Number	QMB320EX
Brand	Schneider Electric (SQUARE D)
Product Dimensions	4 x 6 x 9 inches
Item Weight	0.16 ounces
Manufacturer	SQUARE D
First Available	May 7, 2013

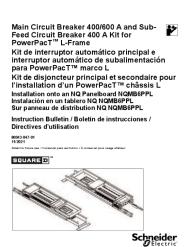
9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding the SQUARE D QMB320EX Panelboard Qmb Extension Assembly, please contact Schneider Electric directly or refer to their official website. Keep your purchase receipt and product model number handy when contacting support.

Schneider Electric Official Website: www.se.com

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Related Documents - QMB320EX

 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.	 Homeline™ Combination Service Entrance Devices Circuit Breaker Installation Guide Comprehensive guide for installing Homeline™ Combination Service Entrance Devices and HOM/HOMT circuit breakers by Schneider Electric, covering safety precautions, installation steps, and removal procedures.
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	<p>QO® and Homeline® Outdoor Load Centers Installation Guide Schneider Electric</p> <p>Comprehensive installation instructions and safety precautions for Schneider Electric's QO® and Homeline® outdoor load centers (Class 1100). Learn how to mount, wire, and energize your load center safely.</p>
	<p>EZ Meter-Pak™ Meter Centers Installation and Safety Instructions</p> <p>Comprehensive guide for installing and safely operating Schneider Electric's EZ Meter-Pak™ Meter Centers, including essential safety precautions, detailed installation steps, mounting diagrams, and technical specifications for various branch devices and main disconnects.</p>
	<p>Schneider Electric Integrated Power Center 2 (IPC2™) Installation and Maintenance Guide</p> <p>Comprehensive instruction bulletin for the installation, operation, and maintenance of Schneider Electric's Integrated Power Center 2 (IPC2™) equipment, including safety precautions, handling, installation procedures, and troubleshooting.</p>
	<p>Schneider Electric QO/QOB Dual Function Circuit Breaker Installation and Testing Guide</p> <p>This document provides essential information for the installation, testing, and removal of Schneider Electric QO and QOB Dual Function (AFCI/GFCI) circuit breakers. It includes detailed safety warnings, step-by-step instructions, and troubleshooting notes for proper operation and maintenance.</p>