

# Superior selective coordination on systems with very high fault currents



## Overview

Eaton's Pow-R-Line® 3FQS Fusible Lighting Panelboard offers superior selective coordination on systems with very high fault currents. These new panelboards offer fault current ratings up to 200 kAIC symmetrical and can easily selectively coordinate with many upstream overcurrent devices.

National Electrical Code® (NEC®) Articles 700.27 (Emergency Systems), 701.18 (Legally Required Standby Systems) and 708.54 (Critical Operations Power Systems) mandate selective coordination for applications. Additionally, NEC Article 517.26 (Health Care Facilities and Essential Electrical Systems) also refers to the mandate for selective coordination.

The panelboards' high fuse interrupting rating easily exceeds most available fault current levels to help ensure compliance with NEC 110.9 and 110.10.

Unlike other fusible panelboard solutions, the Pow-R-Line 3FQS has the same width as traditional lighting panelboards (20 inches) and is just 5 inches deep; however, the height is dependent on the number of circuits and the rating of the main.

These panelboards use Eaton's Bussmann® brand Low-Peak® CUBEFuses® with the exclusive Compact Circuit Protector Base (CCPB). The CCPB incorporates an interlock that prevents removing a fuse while energized. Its fuse ampacity rejection feature coincides with standard fuse sizing. Copper conductor ampacities help prevent over fusing. The CCPB is UL® 98 listed as a branch circuit disconnect and is used exclusively with the CUBEFuse technology.



Powering Business Worldwide

## Panelboard ratings

- Panelboard: UL 67 listed
- Enclosures: UL 50 listed
- Branch Compact Circuit Protector Base: UL 98 listed
- 240 Vac, 480Y/277 Vac, 480 Vac and 125 Vdc
- Main lugs or main fused disconnect switch
- Up to 200 kAIC sym. short circuit current rating
- 100A, 225A and 400A bussing
- Branch devices: 15–100A
- Fusing: 1–100A

## Panelboard features

- 18-, 30- and 42-branch circuit configurations
- Single-pole, two-pole and three-pole branch devices
- Top or bottom feed
- Surface or flush NEMA® Type 1 enclosures
- Spare fuse holder (up to 6 fuses) standard
- Ground bus
- Integrated spare fuse holder holds up to 6 fuses

## Panelboard optional features

- NEMA Type 3R enclosure
- Service entrance equipment label
- Isolated ground bus
- Through-feed lugs
- Sub-feed lugs
- Fusible loadside disconnect
- Branch padlock type lock-off
- Surge protective device (SPD)
- Door-in-door trim
- Custom enclosures

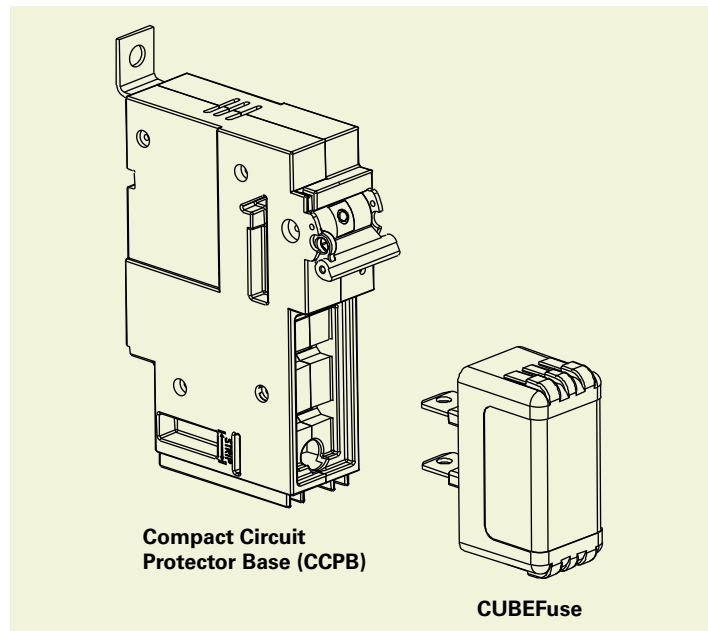
## CUBEFuse features

- Finger safety design
- Type 2 protection for motor applications
- Smallest footprint of any power fuse
- Class J time delay performance

The Pow-R-Line 3FQS uses Eaton's Bussmann CUBEFuse technology.

The panelboards are seismically qualified to the International Building Code® (IBC) for Categories A, B, C and D and also meet building Site Class A, B, C and D requirements.

These versatile panelboards provide solutions for high-fault current ratings in a fully rated system.



CCPB Branch Disconnects and CUBEFuse Replacement Parts

## Eaton's Pow-R-Line 3FQS applications

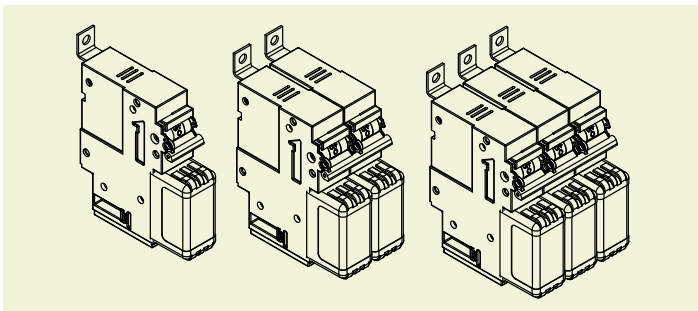
- Hospitals
- Surgery centers
- Emergency systems
- Fire stations
- Police stations
- Laboratories
- Communication systems
- Ventilation and smoke removal systems
- Critical industrial processes
- Data centers
- Other critical or sensitive loads

## Customer orders and shipping

Each Pow-R-Line 3FQS panelboard is assembled to the customer's specifications.

All configurations for the standard NEMA Type 1 enclosed panelboard are available for shipment within 10 business days, meeting the demands of the most aggressive schedules. Consult your local Eaton distributor or sales office.

**For more information on these panelboards, please refer to Technical Data document (TD01417001E), contact your nearest Eaton sales office or go to [www.eaton.com/electrical](http://www.eaton.com/electrical).**



Branch Disconnects

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Printed in USA  
Publication No. PA01417005E / Z15058  
March 2014

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