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MPD-DS-SM-CB-3P-3W-600V-175A-65K-DF-BM-N1

175 Amp Enclosed Circuit Breaker Disconnect, 600V AC, 3-Pole, 65 kAIC, Thru-Door Handle, Surface Mount, NEMA 1

Product ID: 332349



Image: MPD-DS-SM-CB-3P-3W-600V-175A-65K-DF-BM-N1

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MPD-DS-WML-CB-3P-3W-600V-175A-65K-DF-BM-N1 Enclosed Circuit Breaker

Unit Type: Enclosed Circuit Breaker w/ Through Door Rotary Handle
Line-In: N/A (customer provided)
Line-In Cord Cap: N/A (customer provided)
Line-In Connections: Terminal Lugs, Accepts 750MCM-1/0
Line-In Orientation: Bottom Feed
Voltage (V): 600V AC
Phase (PH): 3-Phase
Frequency (Hz): 60 Hz (60-Cycles)
Protection Method: N/A (customer provided)
Protection Type: N/A (customer provided)
Protection Ampacity: 175 Amps
Mains Rating (Amps): 175A
Breaker Frame Size: 250 AF
Interrupting Rating: 65 kAIC @ 600V AC
Horsepower (Standard): -
Horsepower (Max): -
Disconnect Means: Manual via Handle
Neutral Connection: no neutral
Line-Out: N/A (customer provided)
Line-Out Cord Cap: N/A (customer provided)
Line-Out Connection: Terminal Lugs
Line-Out Orientation: Bottom Feed
Form Factor: Rectangular, Slim-profile Enclosure w/ Lockable Door & Through Door Rotary Handle
Door: (1) Left Hinged Door w/ Pad Lockable Handle & Through Door Rotary Handle

Ratings

NRTL Listed Service Equipment
NRTL Listed Circuit Breaker
NEMA 1 Rated for Indoor Use
Made in the USA

Enclosure Material: Sheet Steel
Enclosure Finish: ANSI 70 Grey
Enclosure Type: NEMA 1 (Indoor Rated)
Mount: Surface Mount
Dimensions: -
Weight: -
Shipping Dimensions: -
Shipping Weight: -

Special Orders - Special Requirements
Contact us for special requirements
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Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Due to supply chain constraints, some units may utilize some refurbished internal components.

Made in the USA

The MPD-DS-SM-CB-3P-3W-600V-175A-65K-DF-BM-N1 from Larson Electronics is an Enclosed Circuit Breaker Disconnect w/ Through Door Rotary Handle that is designed for reliable, safe, and convenient overload and short circuit protection at industrial work sites. Designed for wall mounting installations, the enclosed circuit breaker is protected by a NEMA 1 rated, steel enclosure.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

The MPD-DS-SM-CB-3P-3W-600V-175A-65K-DF-BM-N1 enclosed circuit breaker provides a safe and reliable way for operators in industrial settings to utilize protection against short circuits and overloads. Compatible with three-phase 600V AC, the enclosed circuit breaker features a through door rotary handle. This 3-pole, 3-wire circuit breaker carries a 65 kAIC at 600V AC interrupt rating.

Operation: The enclosed circuit breaker features a locking door. The door provides access to a permanently attached rotary operating handle, which is used for manually turning the circuit breaker on or off without opening the door. The thru-door handle allows for lockout/tagout operations.

Enclosure Design: The enclosed circuit breaker disconnect is protected from the elements via a steel weatherproof enclosure with drip shield and finished in an ANSI 70 light grey powder coating. Equipped with a hinged locking door, the disconnect breaker carries a NEMA 1 rating for use in indoor locations and protection from water, debris, corrosion, and external ice formation. This enclosure provides protection against falling rain and light ice formation. The NEMA 1 rated enclosure prevents beating rain from interfering with the successful operation of the apparatus or result in wetting of live parts and wiring within the enclosure under specified conditions. This unit is compatible with wall mounting installations.

Circuit Protection Types: There are several options available when it comes to overload and short circuit protection. Three of the most common types are fused disconnects, enclosed circuit breakers, and non-fused disconnects. A fused disconnect combines a switch to

disconnect the circuit and a fuse that shuts the circuit down in the event of a problem such as an overload or short circuit. In the event that the fuse is activated, it must be replaced in order to restore power. A non-fused disconnect lacks the fuses of a fused disconnect, but otherwise operates in the same way.

A circuit breaker combines the function of a switch and overcurrent disconnect into one device. If maintenance, repairs, or inspections need to be done on the circuit or connected equipment, a circuit breaker can be manually turned off. When a short circuit or overload is detected, an electromagnet turns the circuit breaker off automatically. It must then simply be turned back on to restore power once the issue has been corrected. An enclosed circuit breaker provides an extra layer of protection from the elements and other environmental conditions as well additional safety for personnel. A certified electrician can provide advice on which type of circuit protection is best for any specific circumstance.

Mount: Operators can mount the enclosed circuit breaker on surface.

Customization: The MPD-DS-SM-CB-3P-3W-600V-175A-65K-DF-BM-N1 can be customized to meet specific operating and power requirements. Example of customizations include:

• Making the enclosed circuit breaker portable and certified to NRTL UL 1640 for portable equipment

• Adding single pole camlock connectors for quick connections

• Adding heaters for cold environments

• Aiding alarm relays for trip notification down stream

• Adding powering meters

Applications: This enclosed circuit breaker is suitable for indoor use and applications including, but not limited to, construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs