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MPD-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1

Power Distribution Center, Molded Case Circuit Breaker, 3-Ph, 4-Wire, 480V, 1200A, Wall/Surface Mounted, No Add'l Protection Package, NEMA 12

Product ID: 339097

Image: MPD-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1

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-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1 Power Distribution Center

Unit Type: Power Distribution Center, Molded Case Circuit Breaker
Configuration: 3-Phase, 4-Wire
Assembly Type: One (1) Incoming / Three (3) Outgoing
Voltage Rating: 480VAC
Frequency: 60Hz
Continuous Current Rating: 1200A
Short Circuit Current Rating (SCCR): 65kA
Mounting Style: Fixed Type
Mounting Configuration: Wall/Surface Mounted

Enclosure Type: NEMA 12

Front Type: Dead Front

Protection Package: No Additional Protection Package

Approximate Dimensions: TBD
Estimated Weight: TBD

Distribution Configuration
One (1) Incoming Main Device
Three (3) Outgoing Distribution Feeders
Common Bus Construction
Three-Phase, Four-Wire Distribution
Fixed Mounted Device Arrangement

Made in the USA

Features of Every Assembly
Suitable for Low Voltage Power Distribution Applications
Dead Front Construction
Fixed Mounted Switching Devices
Industrial Distribution Assembly
Compact Single-Enclosure Design

Ratings & Approvals
Designed in accordance with applicable ANSI, IEEE, NEC, NEMA, UL 891, and UL 489 standards
Suitable for Indoor Industrial Applications
All grounding shall comply with applicable state and local codes and NEC requirements

Incoming Switching Package
Quantity: One (1) Molded Case Switch
Manual Through-Door Operation
Continuous Current Rating: 1200A
Voltage Rating: 480VAC
Three-Pole Switching
Padlockable OFF Position

Outgoing Distribution Package
Quantity: Three (3) Molded Case Circuit Breakers
Continuous Current Rating: 350A Each
Adjustable Thermal-Magnetic Trip Units or Equivalent
Interrupting Rating: 65kA
Three-Pole Construction
Fixed Mounted Construction

Bus System
Main Bus System
Ground Bus Provided
Insulated Bus Construction
Ground Bus with Field Termination Provisions

Cable Terminations
Incoming and Outgoing Terminal Lug Provisions
Suitable for Customer Cable Requirements
Final Lug Selection Subject to Customer Cable Verification

Safety Features
Dead Front Construction
Finger-Safe Line Side Barriers
Lockable Through-Door Operating Handle
Lockout / Tagout (LOTO) Capability
Equipment Grounding Provisions

Construction
Heavy Gauge Steel Construction
NEMA 12 Indoor Enclosure
ANSI 49 Gray Powder Coat Finish
Compact Industrial Design
Lockable Front Access Door

Special Features
Compact Single-Enclosure Design
One (1) Incoming / Three (3) Outgoing Distribution Configuration
Customer-Specified Molded Case Switch Arrangement
Manual Incoming Isolation
Dead Front Safety Design
Lockout / Tagout (LOTO) Capability
Suitable for Industrial Power Distribution Applications
NEMA 12 Industrial Construction

Special Orders - Special Requirements
Contact us for special requirements
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Final molded case switch manufacturer, molded case circuit breaker manufacturer, trip unit selection, cable lug sizing, enclosure layout, bus arrangement, terminal locations, and equipment arrangement shall be finalized during detailed engineering review and customer approval.
Final assembly drawings, one-line diagrams, installation instructions, maintenance documentation, testing documentation, and applicable certifications shall be provided in accordance with the final approved project requirements.

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 applicable drawings.

Made in the USA

The Larson Electronics MPD-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1 Power Distribution Center is designed to provide dependable low-voltage power distribution for industrial electrical systems. This wall-mounted power distribution center consists of one incoming molded case switch, three outgoing molded case circuit breakers, a common insulated bus system, and dead front construction housed within a NEMA 12 indoor enclosure. Designed for operation on 480VAC, three-phase, four-wire systems operating at 60Hz, the assembly is rated for 1200A continuous current with a 65kA short-circuit current rating (SCCR). The compact single-enclosure design provides centralized power distribution while supporting safe operation and simplified maintenance in industrial environments.

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

The **MPD-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1** is engineered for industrial facilities requiring a centralized incoming disconnect with multiple outgoing feeder circuits. The assembly combines manual incoming isolation, molded case circuit breaker feeder protection, insulated bus construction, and dead front safety features within a compact wall-mounted enclosure suitable for indoor power distribution applications.

Distribution Configuration:
The power distribution center is configured with one incoming main device and three outgoing feeder circuits connected through a common bus system. The fixed-mounted device arrangement provides organized three-phase, four-wire power distribution while maintaining a compact footprint and convenient front accessibility for operation and maintenance.

Incoming Switching Package:
The incoming section incorporates one 1200A, three-pole molded case switch serving as the main isolation device. The switch provides manual through-door operation, a padlockable OFF position, and three-pole switching for complete circuit isolation. As a molded case switch, the device functions strictly as a manual disconnect without an integral trip unit. Final manufacturer selection shall be determined during detailed engineering review and customer approval.

Outgoing Distribution Package:
Three fixed-mounted molded case circuit breakers are provided, one for each outgoing feeder circuit. Each breaker is rated 350A continuous current with a 65kA interrupting rating and incorporates adjustable thermal-magnetic trip units or equivalent protective functionality. The outgoing devices provide overload and short-circuit protection while allowing individual feeder isolation for maintenance or service.

Bus System:
The assembly incorporates a common insulated main bus together with equipment grounding provisions and a dedicated ground bus with field termination capability. The insulated bus construction provides reliable power distribution while supporting safe operation and long-term electrical performance.

Cable Terminations:
The power distribution center is furnished with incoming and outgoing terminal lug provisions suitable for customer cable requirements. Final lug selection, conductor sizing, and termination arrangements shall be verified during detailed engineering based on the customer's cable specifications and installation requirements.

Safety Features:
The assembly incorporates dead front construction, finger-safe line-side barriers, a lockable through-door operating handle, lockout/tagout (LOTO) capability, and equipment grounding provisions to enhance personnel safety during normal operation and maintenance activities.

Assembly Construction:
The power distribution center is furnished as a complete wall-mounted assembly incorporating one incoming molded case switch, three outgoing molded case circuit breakers, insulated bus construction, cable termination provisions, safety features, and a NEMA 12 enclosure. The integrated design provides a compact and organized solution for industrial low-voltage power distribution.

Construction:
The enclosure is fabricated from heavy-gauge steel and finished with an ANSI 49 gray powder coat suitable for indoor industrial service. Construction features include a wall/surface-mounted configuration, compact industrial design, lockable front access door, and NEMA 12 enclosure to protect internal equipment from dust, dirt, and non-corrosive contaminants. Approximate dimensions and shipping weight shall be finalized during detailed engineering.

Special Features:
This power distribution center incorporates a compact single-enclosure design, one incoming and three outgoing distribution configuration, customer-specified molded case switch arrangement, manual incoming isolation, dead front safety construction, lockout/tagout capability, and NEMA 12 industrial enclosure. These features provide dependable indoor power distribution while maintaining flexibility for customer-specific equipment selection.

Ratings & Approvals:
The assembly is designed in accordance with applicable ANSI, IEEE, NEC, NEMA, UL 891, and UL 489 standards and is suitable for indoor industrial power distribution applications. All grounding provisions shall comply with applicable state and local electrical codes together with NEC requirements.

Final molded case switch manufacturer, molded case circuit breaker manufacturer, trip unit selection, cable lug sizing, enclosure layout, bus arrangement, terminal locations, and overall equipment arrangement shall be finalized during detailed engineering review and customer approval. Final assembly drawings, one-line diagrams, installation instructions, maintenance documentation, testing documentation, and applicable certifications shall be provided in accordance with the final approved project requirements. Additional customer-specific accessories or distribution equipment may be incorporated as required by the final approved

project documentation.

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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.

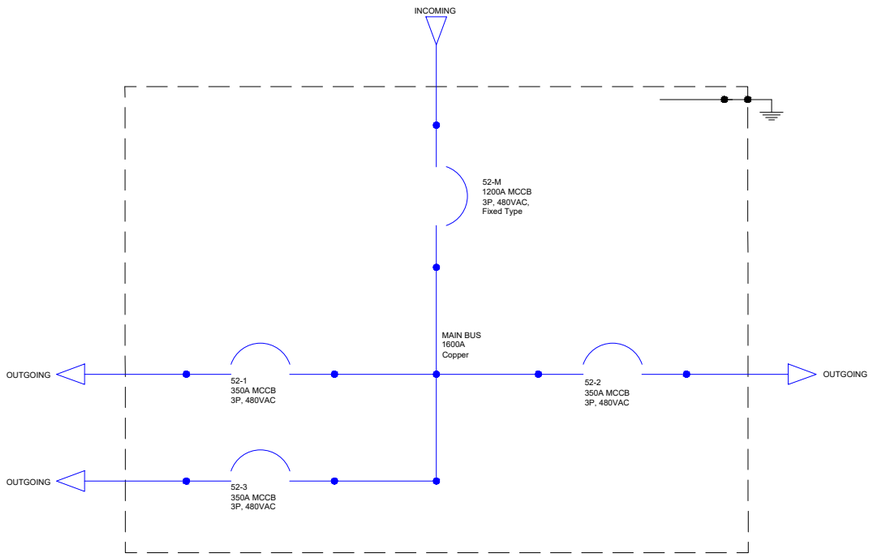
REV	DESCRIPTION	DATE
A		06.28.2026

MPD-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1

LARSON ELECTRONICS®

SKU: MPD-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1

Unit Details: Power Distribution Center, Molded Case Circuit Breaker, 3-Ph, 4-Wire, 480V, 1200A, 65 kA, Fixed Type, Wall/Surface Mounted, No Add'l Protection Package, Copper, NEMA 12, Dead Front, wFeat, Model 1



SINGLE LINE DIAGRAM

LV Switchboard by Larson Electronics

(1) MAIN MOLDED CASE CIRCUIT BREAKER:
52-M
1200A Continuous
480VAC, 3-Phase, 4-Wire
3-Pole
Fixed Mounted
No Trip Unit (Molded Case Switch)
Lockable Through-Door Operating Handle
65kAIC
Line Side Isolation Device

(2) BRANCH MOLDED CASE CIRCUIT BREAKERS:
52-1 through 52-3
(3) 350A MCCBs
480VAC, 3-Pole
Fixed Mounted
Electronic Trip Units
65kAIC

(3) BUS SYSTEM:
1200A Copper Main Bus
Copper Ground Bus
Dead Front Construction
Finger-Safe Bus Barriers
Insulated Bus Supports

(4) ENCLOSURE & CONSTRUCTION:
UL 891 Switchboard Construction
NEMA 12 Indoor Enclosure
Heavy Gauge Steel Construction
Wall Mounted
Top Entry / Top Exit
Dead Front Design
Lockable Door
Powder Coat Finish

NOTES:
1. Switchboard consists of one (1) 1200A molded case switch and three (3) 350A molded case circuit breakers arranged in a 1 incoming / 3 outgoing configuration.

2. Main line-side molded case switch provides isolation only and does not include an overcurrent trip unit.

3. Final breaker manufacturer, cable terminations, internal layout, and component arrangement are subject to detailed engineering review and customer approval.

4. Equipment shall be manufactured in accordance with applicable UL, NEC, ANSI, and NEMA standards.

LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE: MPD-PDC-MCCB-3P4W-13-480V-1200A-65K-FX-WM-NOP-N12-DF-WSP-M1		
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	CHECKED BY: R.DOMETITA	SHEET #: 1 OF 1	DRAWING #: 101

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Frequently Asked Questions (FAQ)

There are no Faqs