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MPD-XX-CB-PI-77-120.240V-1P-15A-C

C-Curve MCB Circuit Breaker Assembly - 15 Amp - Single Pole - Quick Lag Plug In Mount - 120/240V AC Max - Thermal Magnetic Trip

Product ID: 315513



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-XX-CB-PI-77-120.240V-1P-15A-C 15 Amp 1 Pole MCB Circuit Breaker

Protection Type: Overload & Short Circuit
Rated Current: 15 Amps
Poles: 1 Pole
Frequency: 50/60 Hz
Max Voltage: 120/240 V AC
Short Circuit Capacity: 10 kA
Tripping Curve: C-Curve
Trip Type: Thermal Magnetic
Maximum Switching Frequency: 360 Per Hour
Electrical Endurance: 6,000
Reference Temperature: 40°C
Normal Ambient Temperature: -5°C - 40°C
Relative Humidity: 45% - 85%
IP Rating: IP20
Terminals: Terminal w/ Stirrup (Indirect Pressure)
Terminal Size Compatibility: Minimum: 14 AWG; Maximum: 4 AWG
Tightening Torque: 35 lbf/in²
Dimensions: -
Weight: -
Mounting: Quick Lag Plug In

Listings/Ratings
NRTL Listed to UL 1077

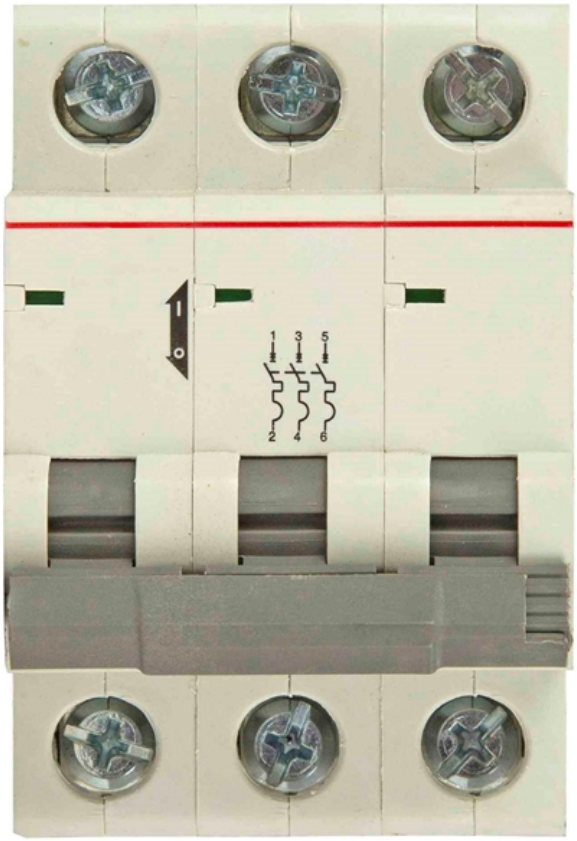
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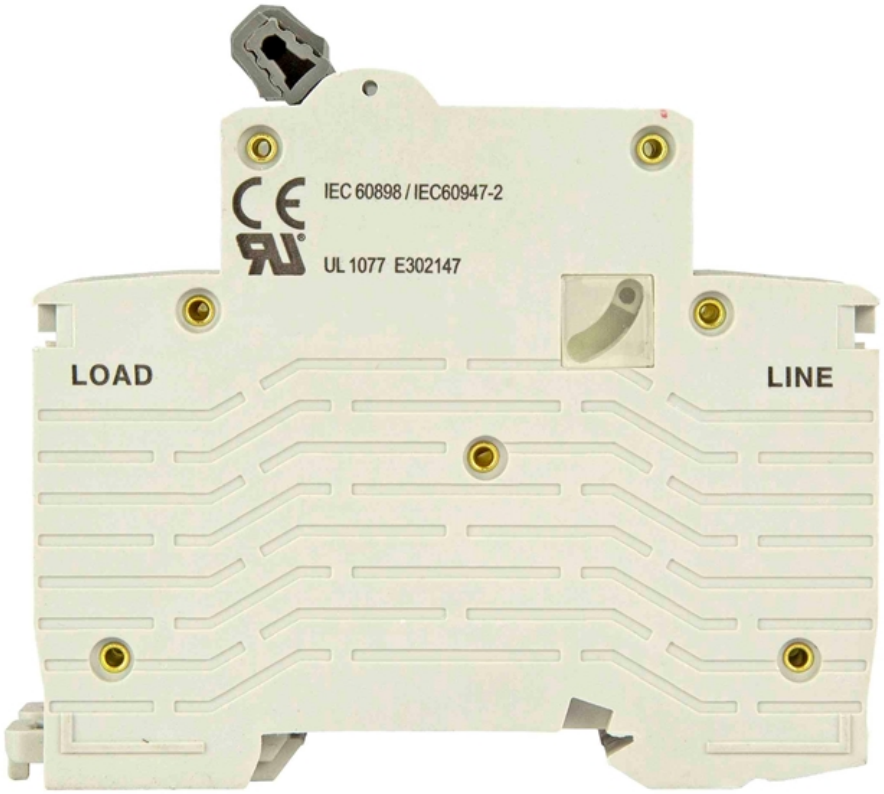
The MPD-XX-CB-PI-77-120.240V-1P-15A-C from Larson Electronics is a Three Pole Quick Lag Plug In Mount MCB Circuit Breaker that is rated for 15 amps and is NRTL listed to UL 1077. This C-curve circuit breaker is

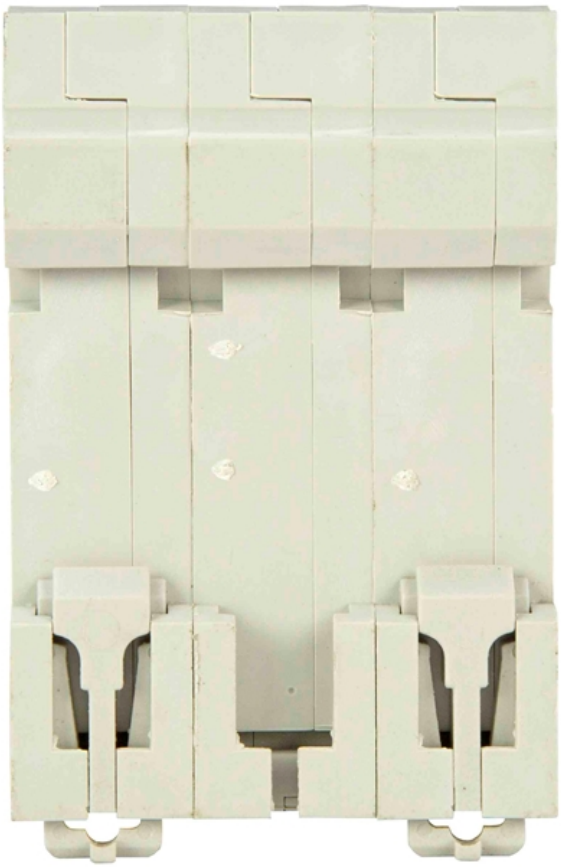
rated for a max voltage of 120/240 V AC.
The MPD-XX-CB-PI-77-120.240V-1P-15A-C has a thermal magnetic trip type and is equipped with terminals with stirrups. The terminals can accept wire ranging from 14 AWG to 4 AWG in size. This circuit breaker has an ambient operating temperature of -5°C to +40°C
Trip Curves: Circuit breakers are classified according to their trip curves. A trip curve is a representation of how a circuit breaker is expected to behave. In other words, a trip curve specifies when a circuit breaker should activate during overcurrents and short circuits. In order to avoid nuisance tripping, circuit breakers need different trip curves to account for variances in the balance between adequate overcurrent protection and optimal machine performance. The four most common types of trip curves are B, C, and D curves.

- **Curve B** - 3-5x Instantaneous Tripping - Intended for Resistive Circuits such as Lighting & Control Circuits
-
- **Curve C** - 5-10x Instantaneous Tripping - Intended for Circuits with Medium Inductive Loads such as Control Panels & Coils
-
- **Curve D** - 10-20x Instantaneous Tripping - Intended for Circuits with Highly Inductive and Capacitive Loads such as Motors & Transformers

UL 489 vs UL 1077: Circuit breakers will typically be rated either UL 489 or UL 1077. There is a distinct difference between these two ratings and the scenarios in which they should be used. Circuit breakers that are rated UL 489 can be used for branch circuit protection and for providing protection for service, feeder, and branch circuit equipment. UL 489 devices are usually used on main panels, panelboards, control panels, motor control panels, and switchboards.
Circuit breakers and devices that are rated UL 1077 can only be used as supplemental protection when there is branch circuit protection ahead of them. These manually resettable devices are meant to provide a limited amount of overcurrent protection for specific applications such as individual receptacles, appliances, lights, control circuits, and relays.
Mounting: The MPD-XX-CB-PI-77-120.240V-1P-15A-C can be plug-in mounted.
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)