

MPD-XX-CB-DR-77-250V-3P-40A-C

C-Curve MCB Circuit Breaker Assembly - 40 amp - Three Pole - DIN Rail Mount - 250V AC Max - Thermal Magnetic Trip -

Product ID: 281606

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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-DR-77-250V-3P-40A-C 40 amp 3 Pole MCB Circuit Breaker

Protection Type: Overload & Short Circuit

Rated Current: 40 amps

Poles: 3 Pole

Frequency: 50/60 Hz

Max Voltage: 250 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: 2.12"-W x 3.18"-H x 2.91"D

Weight: 12.69 oz

Mounting: 35mm DIN Rail

Listings/Ratings

NRTL Listed to UL 1077

Special Orders - Special Requirements

Contact us for special requirements

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The MPD-XX-CB-DR-77-250V-3P-40A-C from Larson Electronics is a Three

Pole Din Rail Mount MCB Circuit Breaker that is rated for 40 amps and is NRTL listed to UL 1077. This C-curve circuit breaker is rated for a max voltage of 250 V AC.

The MPD-XX-CB-DR-77-250V-3P-40A-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 and measures 2.12" wide by 4.13" high by 2.91"D.

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
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- **Curve C** - 5-10x Instantaneous Tripping - Intended for Circuits with Medium Inductive Loads such as Control Panels & Coils
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- **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.

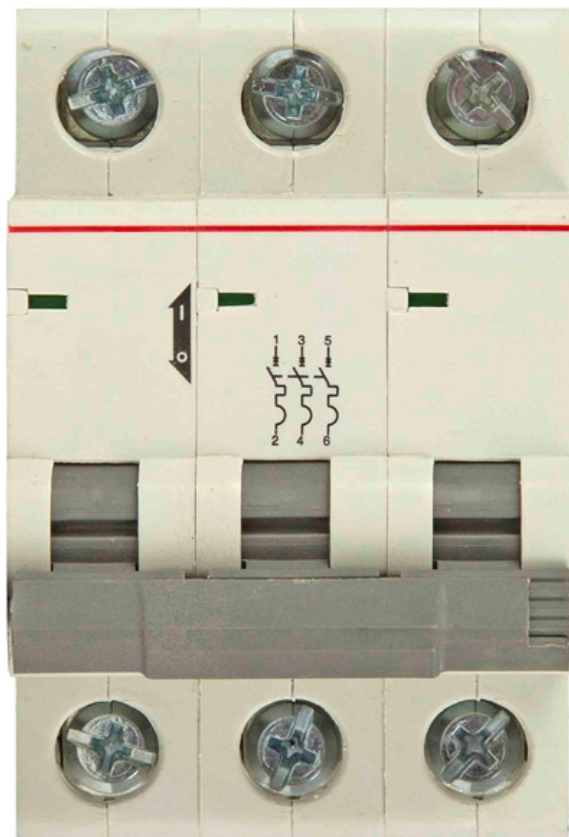
Circuit breakers and devices that are rated UL 1077 can only be used as supplemental protection when there is branch circuit protection ahead of it. These manually resettable devices are meant to provide a limited amount of overcurrent protection for specific applications such as individual receptacles, appliances, lights, control circuit, and relays.

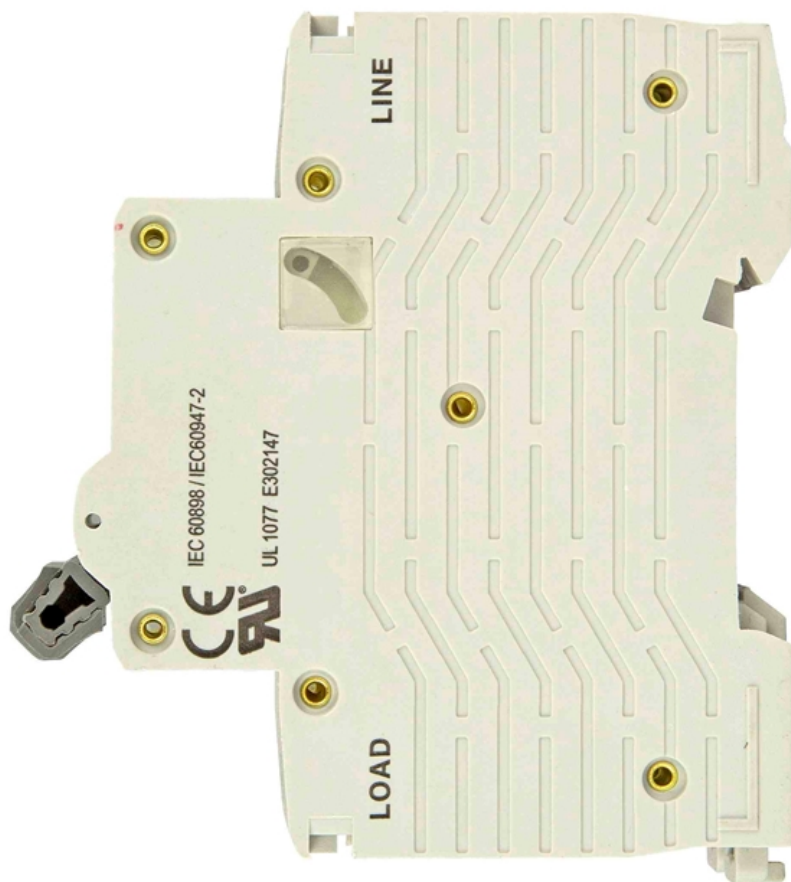
Mounting: The MPD-XX-CB-DR-77-250V-3P-40A-C can be mounted on 35mm DIN rails.

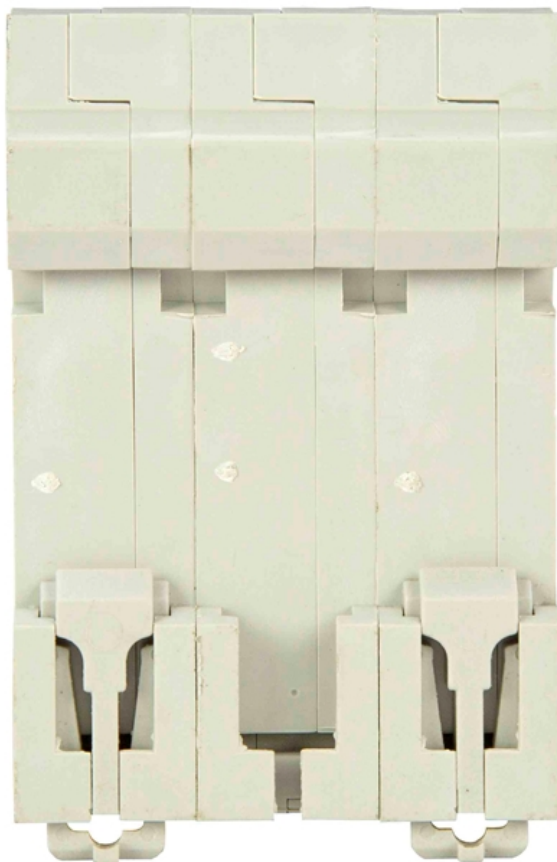
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Frequently Asked Questions (FAQ)











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Export Control Classification Number (ECCN): EAR99

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- [HigResPic4](#)
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- [ISO 9001 Certification](#)
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