3P Series UL 489 Molded Case Circuit Breakers (MCCBs)
The 3P series provides branch and feeder circuit protection in industrial control panels.

- UL 489
- Up to 600 amps
- 65kA @ 240 VAC interrupting rating

Fuji Electric
UL 489 Rated Molded Case Circuit Breakers (MCCBs)

BW Series Fuji Molded Case Circuit Breakers are more compact (especially 100A, 125A, 250A frames) than any breakers on the market, so control panels take up less space than ever before. This product group maintains conformity to all Worldwide standards, including cULus / IEC / CE Marking / JIS (Japan) / CCC (China).

- Suitable for branch circuit protection
- 5 frame sizes, rated current of 15 to 800A, max 600V
- Standard type and high-interrupting capacities are available in identically sized breakers
- Shunt Trip, Undervoltage Release and other accessories are available
- Auxiliary Switch and Shunt Trip can be installed in the field

Eaton FAZ-NA Series
UL 489 Miniature Circuit Breakers

The FAZ-NA series is DIN-rail mountable and can be used in branch circuit applications up to 40 amps and are available with C or D trip characteristics.

- UL 489
- DIN-rail mounted
- Up to 40 amps
- 1, 2, or 3-pole available
- 10kAIC @ 277/480VAC

Which type of Circuit Protection are you looking for?

<table>
<thead>
<tr>
<th>Circuit Protection Selection</th>
<th>Molded Case and DIN rail mounted UL489 Circuit Breakers</th>
<th>Current Limiting Fuses UL 248</th>
<th>Disconnect Switches UL 98</th>
<th>Manual Motor Starters (MMS) UL 508</th>
<th>Load Switches UL 508</th>
<th>Supplementary Protectors UL 1077</th>
<th>General Fuses UL 248</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short circuit for feeder and branch circuits</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Motor disconnecting means (NEC 430.101-430.113)</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Motor branch-circuit short circuit protection (NEC 430.51-430.55)</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Motor controller (NEC 430.81-430.91)</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Motor overload protection (NEC 430.21-430.44)</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>OSHA Lockout/tagout disconnect (NEC 430.81-430.91)</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

Prices as of April 27, 2016. Check Web site for most current prices.
**Protection**

**Socomec UL 98 and UL 508 Disconnects**

Socomec rotary disconnect switches are available in many varieties to match any application. Socomec offers fused and non-fused switches in either small compact frames or larger heavy duty switches for more demanding uses. All of the Socomec rotary disconnects provide a high short circuit current rating, and are rated to make or break while under load to provide safe isolation.

**FUSERBLOC Series Fused Disconnects (30-600 Amps)**
- UL 98 and UL 489 ratings
- 30A to 600A compact and large heavy duty frame
- 100kA-200kA SCCR @ 600VAC
- Front or side operated UL 98 Class J fusible rotary switch

**SIRCO and SIRCO M Series Non-Fused Disconnects (16-600 Amps)**
- UL 98, UL 98B, and UL 508 ratings
- 65kA-200kA SCCR (AC switches)
- 20kA @ 600VDC (DC switches)
- 3 and 4-pole
- 16A to 600A ratings
- Enclosed, DIN rail, panel mount options

**SD Series UL 508 Rated Load Switches**

The SD series of load switches are used for making and breaking equipment loads. These switches can be used as a motor controller meeting NEC® 430, Part VII. Typical applications include local motor isolation.
- 35mm DIN rail mountable or direct mountable
- Loads from 16 to 125 amps
- IP20 degree of protection

**Gladiator CFS Series UL 98 and UL 508 Rated Fusible Disconnect Switches**
- UL 98 version, Class CC fuse, 30A, DIN rail mount
- UL 508 version, Midget class fuse, 30A, DIN rail mount
- 1, 2 and 3-pole models
- Provide open fuse indication for faster troubleshooting and reduced downtime
- Lockout / Tagout capability and finger safe construction
- Positive visible circuit isolation via the disconnect switch
- Uses only 1/3 the space of a molded circuit breaker and 2/3 the space of a traditional fusible switch

**For Control Circuit - Supplementary Protection see next page**

Supplementary FAZ series Protectors UL1077
Supplementary protectors are UL 1077 recognized and are used in applications where branch circuit protection is not required or is already provided.

**FAZ Series**
- DIN rail mountable
- Full line of auxiliary switches, alarm switches and padlock lockout accessories
- B trip curve 1 to 63 amps
- C trip curve 0.5 to 63 amps
- D trip curve 0.5 to 40 amps

Edison Single and Dual-element Fuses
Industry standard extremely fast-acting, single element Class T and dual element time delay Class RK5, RK1, and Class J current limiting short circuit protection is available up to 600 amps.

NEW! High-speed Class J (JHL) combines electronic and motor branch circuit protection in one fuse.

These fuses are recommended for AC power distribution feeder and branch circuits; they provide ideal protection for motors and all general purpose applications including lighting, heating, inductive and non-inductive loads.

New Class L fast-acting current limiting fuses are particularly suited for protection of circuit breakers with lower interrupting ratings, non-inductive loads such as lighting and heating circuits and drive protection applications.

Edison Current-limiting Fuses
We carry industry standard current limiting class CC, general purpose class M (Midget) and small dimension glass and ceramic circuit protection, fuse holders and accessories.

They provide ideal supplementary protection up to 30 amps to branch circuits and end of line equipment.

Modular and Power Distribution Fuse Blocks

**Modular Class J & Class R Fuse Blocks**
- Class R, 250V & 600V, 100-600A; Class J 600V, 100-600A
- Modular snap-together design
- New blocks have phase barriers between phases
- Covers with and without blown fuse indication
- Snap-on covers have lock out capability

**Modular Class J Power Distribution Fuse Blocks**
- Class J, 600V, 100-600A
- Combines power distribution block into fuse block body
- Saves space and labor

Supplementary Protection Selection

<table>
<thead>
<tr>
<th></th>
<th>Supplementary Protectors UL 1077</th>
<th>General Fuses UL 248-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anywhere branch circuit, overcurrent protection is already provided or not needed</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

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1-800-633-0405