

# Control Circuit and Load Protection Products

Bulletin Numbers 188, 1489, 1492, 1692



LISTEN.  
THINK.  
SOLVE.®

# Circuit Protection Portfolio



## 1489-M Circuit Breakers

Approved for branch circuit protection in the United States and Canada, and certified as Miniature Circuit Breakers for IEC applications.



## 1492-SP Supplementary Protectors

Overcurrent protection for equipment where branch circuit protection is already provided, or is not required. Also Miniature Circuit Breakers as defined by IEC Standards.



## 1492-D Circuit Breakers

Overcurrent and short circuit protection for higher voltage DC circuits. Also Miniature Circuit Breakers as defined by IEC Standards.



## 188-J 10 kA Regional Circuit Breakers

Protective devices applied at the equipment level. Regional certifications only. Available for purchase in China and Europe.



## 188-K 6 kA Regional Circuit Breakers

Protective devices applied at the equipment level. Regional certifications only. Available for purchase in China and Europe.

Rockwell Automation offers a wide range of Allen-Bradley circuit protection products designed for a variety of applications.

## Miniature Circuit Breakers, Supplementary Protectors, and Residual Current Devices

| Product     | Certifications |       |     |    |     |     | Poles |     |   |   |     |   | Trip |   |   | Trip Current [A] |     |     |   |     |     |     |   |     |   |
|-------------|----------------|-------|-----|----|-----|-----|-------|-----|---|---|-----|---|------|---|---|------------------|-----|-----|---|-----|-----|-----|---|-----|---|
|             | cULus          | cURus | CSA | CE | VDE | CCC | 1     | 1+N | 2 | 3 | 3+N | 4 | B    | C | D | 0.2              | 0.5 | 0.8 | 1 | 1.2 | 1.5 | 1.6 | 2 | 2.5 |   |
| 1489-M      | ●              |       | ●   | ●  | ●   | ●   | ●     |     | ● | ● |     |   |      | ● | ● |                  |     | ●   |   |     |     | ●   | ● |     |   |
| 1492-SP     |                | ★     | ●   | ●  | ●   | ●   | ●     | ♣   | ● | ● | ♣   |   | ●    | ● | ● |                  |     | ●   |   |     |     | ●   | ● |     |   |
| 1492-D      |                | ★     | ●   | ●  | ●   |     | ●     |     | ● |   |     |   |      | ● |   |                  |     | ●   |   |     |     | ●   | ● |     |   |
| 188-J,-K    |                |       |     | ●  | ●   | ●   | ●     | ●   | ● | ● | ●   | ● | ●    | ● | ● |                  |     | ●   |   |     |     | ●   | ● |     |   |
| 1492-RCD    |                | ●     |     | ●  | ●   | ●   |       |     | ● |   | ●   |   |      |   |   |                  |     |     |   |     |     |     |   |     |   |
| 1492-MC     | ●              |       | ●   |    |     |     | ●     |     | ● | ● |     |   |      |   |   |                  |     |     |   |     |     |     |   |     |   |
| 1492-GH,-GS |                | ●     | ●   | ●  | ●   |     | ●     |     | ● | ● |     |   |      |   |   | ●                | ●   | ●   | ● | ●   | ●   | ●   | ● | ●   | ● |

★ UL Recognized only.

♣ 1+N and 3+N devices are not cURus or CSA certified.

## Electronic Circuit Protectors

| Product | Certifications |    |      |        | Circuits |     | Output Current Rating [A] |   |   |   |   |    |     |      |   |  |
|---------|----------------|----|------|--------|----------|-----|---------------------------|---|---|---|---|----|-----|------|---|--|
|         | cULus          | CE | C1D2 | NEC C2 | 4        | 2x2 | 1                         | 2 | 3 | 4 | 6 | 10 | 3/6 | 6/12 |   |  |
| 1692    | ●              | ●  | ●    | ●      | ●        | ●   | ●                         | ● | ● | ● | ● | ●  | ●   | ●    | ● |  |



**1492-RCD  
Residual Current  
Devices**

By detecting small leakage currents and disconnecting all ungrounded connectors quickly, RCDs can prevent injury to exposed personnel and damage to equipment.



**1692 Electronic  
Circuit Protectors**

Protection for secondary circuits of 24V DC switched mode power supplies. These modules monitor both supply voltage and load currents, and can be monitored and controlled locally and remotely.



**1492-MC Circuit  
Breakers and Ground  
Fault Protectors**

Thermal magnetic circuit protection and sensing thresholds for personnel and equipment protection.



**1492-GH, -GS High-density  
Supplementary  
Protectors**

Thermal magnetic circuit breakers with a high density design useful when DIN Rail space is a premium.



**1492-FB Fuse Holders**

Designed for use in many OEM applications. Provides safe and convenient installation of Midget, Class CC, and Class J fuses.

- Test equipment
- Automotive systems
- Controller I/O points
- Power supplies

- Relay and contractor coils
- Medical equipment
- Control instrumentation

- Computers
- Solenoids
- Transformers

| Rated Current [A] |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |   |
|-------------------|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|---|
| 3                 | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 13 | 15 | 16 | 20 | 25 | 30 | 32 | 35 | 40 | 45 | 50 | 55 | 60 | 63 | 70 | 80 | 90 | 100 |   |
| ●                 | ● | ● | ● | ● | ● | ●  |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    | ●  |    | ●  | ●  |    |    |    |     |   |
| ●                 | ● | ● | ● | ● | ● | ●  |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    | ●  |    | ●  |    |    |    |    |     |   |
| ●                 | ● |   | ● |   | ● | ●  |    | ●  |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    | ●  |    | ●  |    |    |    |    |     |   |
| ●                 | ● |   | ● |   | ● | ●  |    | ●  |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  |    | ●  |    | ●  |    |    |    |    |     |   |
|                   |   |   |   |   |   | ●  |    |    | ●  |    | ●  | ●  | ●  | ●  | ●  | ●  |    | ●  |    | ●  |    |    |    |    |     |   |
| ●                 | ● | ● | ● | ● | ● | ●  | ●  |    | ●  | ●  | ●  | ●  |    |    |    |    | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●  | ●   | ● |

Typical North America Current Ratings: 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15, 20, 25, 30, 40, 50, 60, 63 A.  
 Typical IEC Current Ratings: 0.5, 1, 1.6, 2, 3, 4, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63 A.

**Fuse Holders**

| Product | Certifications |     |    | Poles |   |   | Indication |   |    | Fuse Types |     |     |     |
|---------|----------------|-----|----|-------|---|---|------------|---|----|------------|-----|-----|-----|
|         | cULus          | CSA | CE | 1     | 2 | 3 | none       | L | D1 | M30        | C30 | J30 | J60 |
| 1492-FB | ●              | ●   | ●  | ●     | ● | ● | ●          | ● | ●  | ●          | ●   | ●   | ●   |