

# Control Circuit and Load Protection Products

Bulletin Numbers 188, 1489, 1492, 1692



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# 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	●	●	●	●	●	●	●	●	●	●	●	●	●