Industrial DIN Rail Circuit Breakers



UL489 Listed for U.S. Applications CSA 22.2 No. 5 for Canadian Applications IEC 60 947-2 for IEC Applications

Bulletin 1489

The Rockwell Automation line of circuit breakers is approved for branch circuit applications in the United States and Canada and certified as a Miniature Circuit Breaker for IEC applications. Allen-Bradley Bulletin 1489 Circuit Breakers are UL489 listed. They are also CSA-rated 22.2 No. 5 to provide branch circuit protection and are MCBs per IEC 60 947-2.

Versatility

The Bulletin 1489 Circuit Breakers provide a variety of product configurations in both AC and DC configurations.

Bulletin 1489 DIN Rail-mounted circuit breakers are similar in width and current range to MCBs and supplementary protectors with the added benefit of providing a listed branch circuit protection circuit breaker for US/Canada applications. Bulletin 1489 features finger safe IPX/2 from the front of the circuit breaker. Also available for control circuit applications are add-on auxiliary and signal contacts plus shunt trip modules to provide modern control circuit applications.

A lock-off attachment is available for applications requiring that feature. Listed bus bars may be added to applications for convenience in panel assembly.

Simplified Maintenance

A convenient on (red) off (green) indicator is provided for quickly checking the status of the circuit breaker.

Terminals for applications requiring ring terminal connectors are available. This unique terminal may be field converted to accept normal wire connection using included lugs.



1489-A AC (standard) Configuration

- DIN rail mounting
- Current Limiting
- · Thermal-Magnetic
- · Line and Load may be top or bottom
- Finger safe (front)

UL/	CSA	IEC		
Up to 14,000 A Interrupting		15,000 A Interrupting		
Max Voltage	Current Range	Current Range Max Voltage		
480Y/277V AC	0.532 A	415V AC		
240V AC	0.540 A	413 V AC	0.5 40.4	
48V DC 1 pole	0.5.40.4	48V DC	0.540 A	
96V DC 2 pole	0.540 A			

1489-D DC Configuration

- DIN rail mounting
- · Finger safe (front)
- · Thermal-Magnetic
- · Polarity must be observed

UL/	CSA	IEC		
10,000 A Interrupting		10,000 A Interrupting		
Max Voltage	Current Range	Max Voltage	Current Range	
1 pole – 125V DC	240 A	1 pole – 250V DC	240 A	
2 pole – 250V DC	240 A	2 pole – 500V DC	240 A	





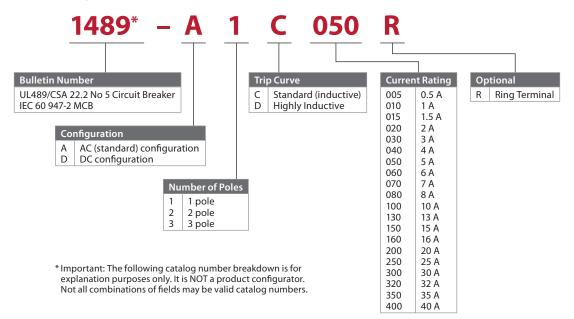


Specification Overview

	1489-A				1489-D					
Number of Poles		1, 2 and 3 pole			1 and 2 pole					
Specification/ Rating/Certification	UL489, CSA 22.2 No. 5, IEC 60 947-2									
Approvals	UL Listed Circuit Breaker, File Number E197878), CSA Certified, VDE Certified, CE				UL Listed Circuit Breaker, File Number E197878), CSA Certified, CE					
HACR Rating (US/Canada)	Yes				N/A					
SWD Rating (US/Canada)	Yes				N/A					
Calibration Temperature	UL/CSA – 40 °C EN/IEC – 30 °C									
	Trip Curve	Rated Current (In)	Interrupt Rating (UL/CSA)	lcu (EN/IEC)	Interrupt Rating (UL/CSA)		lcu (EN/IEC)			
Rated Interrupting Capacity	C curve	0.515 A 1625 A	10,000 A 14,000 A	15,000 A	10,000 A					
		3040 A	10,000 A							
	D curve	0.510 A	10,000 A							
		1320 A	14,000 A							
		2540 A	10,000 A							
	UL/C	SA	IEC		UL/CSA IEC					
	Max Voltage	Current Range	Max Voltage	Current Range	Max Voltage	Current Range	Max Voltage	Current Range		
Rated Tripping Current	480Y/277V AC	0.532 A	415V AC	0.540 A	1 pole – 125V DC 2 pole – 250V DC	240 A	1 pole – 250V DC 2 pole – 500V DC	240 A		
	240V AC	0.540 A	413V AC							
	48V DC 1 pole 96V DC 2 pole	0.540 A	48V DC							
Degree of Protection	Finger Safe from Front – (IP20 per IEC 529 from Front – IP00 at wire terminals)									
Normal Operating Environment	-25 C+55 C (non-condensing) with rerating due to ambient temperature									
Trip Curves	C Curve (Inductive) 510 ln D Curve (Highly Inductive) 1020 ln)				C Curve 715 In					

Additional, add-on components

- Auxiliary Contacts
 Signal Contacts
- Shunt Trip Modules
- Lock Off Attachments
- Bus Bars



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