

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

UL/CSA		IEC	
Up to 14,000 A Interrupting		15,000 A Interrupting	
Max Voltage	Current Range	Max Voltage	Current Range
480Y/277V AC	0.5...32 A	415V AC	0.5...40 A
240V AC	0.5...40 A		
48V DC 1 pole	0.5...40 A	48V DC	
96V DC 2 pole			

1489-D DC Configuration

- DIN rail mounting
- Thermal-Magnetic
- Finger safe (front)
- 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	2...40 A	1 pole – 250V DC	2...40 A
2 pole – 250V DC		2 pole – 500V DC	

LISTEN.
THINK.
SOLVE.

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							
Rated Interrupting Capacity	Trip Curve	Rated Current (In)	Interrupt Rating (UL/CSA)	Icu (EN/IEC)	Interrupt Rating (UL/CSA)	Icu (EN/IEC)		
	C curve	0.5...15 A	10,000 A	15,000 A	10,000 A			
		16...25 A	14,000 A					
		30...40 A	10,000 A					
	D curve	0.5...10 A	10,000 A					
		13...20 A	14,000 A					
		25...40 A	10,000 A					
Rated Tripping Current	UL/CSA		IEC		UL/CSA		IEC	
	Max Voltage	Current Range	Max Voltage	Current Range	Max Voltage	Current Range	Max Voltage	Current Range
	480Y/277V AC	0.5...32 A	415V AC	0.5...40 A	1 pole – 125V DC 2 pole – 250V DC	2...40 A	1 pole – 250V DC 2 pole – 500V DC	2...40 A
	240V AC	0.5...40 A						
	48V DC 1 pole 96V DC 2 pole	0.5...40 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) 5...10 In D Curve (Highly Inductive) 10...20 In)				C Curve 7...15 In			

Additional, add-on components

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

1489* – A 1 C 050 R

Bulletin Number	
UL489/CSA 22.2 No 5 Circuit Breaker	
IEC 60 947-2 MCB	

Configuration	
A	AC (standard) configuration
D	DC configuration

Number of Poles	
1	1 pole
2	2 pole
3	3 pole

Trip Curve	
C	Standard (inductive)
D	Highly Inductive

Current Rating	
005	0.5 A
010	1 A
015	1.5 A
020	2 A
030	3 A
040	4 A
050	5 A
060	6 A
070	7 A
080	8 A
100	10 A
130	13 A
150	15 A
160	16 A
200	20 A
250	25 A
300	30 A
320	32 A
350	35 A
400	40 A

Optional	
R	Ring Terminal

* Important: The following catalog number breakdown is for explanation purposes only. It is NOT a product configurator. Not all combinations of fields may be valid catalog numbers.

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