

**Bulletin 1489-D
Industrial Circuit
Breaker for DC
Applications**

Specifications

Bulletin 1489-D			
Number of Poles	1, 2, and 3		
Standards	UL 489 CSA C22.2 No. 5 EN/IEC 60947-2		
Certifications	UL Listed Circuit Breaker (File Number E197878) CSA Certified, CE Marked		
HACR Rating (USA/Canada)	N/A		
SWD Rating (USA/Canada)	N/A		
Calibration Temperature	UL/CSA: 40 °C EN/IEC: 30 °C		
Rated Interrupting Capacity	EN/IEC - Icu: 10 000 A		
	UL/CSA (See Below)		
	Trip Curve	Rated Current (In)	Interrupt Rating (UL/CSA)
	C Curve	2...40 A	10,000 A
Rated Tripping Current	UL/CSA: 2...40 A, -125V DC 1-pole -250V DC 2-pole EN/IEC: 2...40 A, -250V DC 1-pole -500V DC 2-pole		
Degree of Protection	Finger-safe from front: -IP20 per IEC 529 from front -IP00 at wire terminals		
Dielectric Strength	1960V AC		
Shock	25 G Half sine wave for 11 ms (3 axes)		
Vibration	Frequency range: 10...200 Hz Max. Amplitude (p-p) = 0.030 in. Max. Acceleration = 5 G 2 hours each of 3 axes		
Normal Operating Environment	-25...+55 °C (-13...+131 °F) (non-condensing)		
Trip Curve	C curve (Inductive) 7...15 I _N		
Shipment and Short-Term Storage Limits	-40...+85 °C (-40...+185 °F)		
Wire Size	1 wire: #18...6 AWG 2 wires: #18...10 AWG		
Terminal Torque	#18...12 AWG: 21 lb•in. #10...8 AWG: 25 lb•in. #6 AWG: 36 lb•in. #2 PoziDriv		
Recommended Wire Strip Length	0.5 in.		