

Supplementary Protector/Miniature Circuit Breaker Specifications

Specifications

1492-SP Series C			
Description	B Curve	C Curve	D Curve
Tripping Characteristics	Resistive or Slightly-Inductive Loads	Inductive Loads	Highly-Inductive Loads
	3...5 I_n	5...10 I_n	10...20 I_n
Current Range	1...63 A	0.5...63 A	0.5...40 A
Poles (18 mm width per pole)	1, 2, 3, 1 +N, 3 + N		
Dielectric Strength	1960V AC		
Shock	25 G Half Sine Wave for 11 ms (3 axes)		
Vibration	Frequency Range: 10...2000 Hz Max. Amplitude (p-p) = 0.030 in. Max. Acceleration = 5 G 2 hours each of 3 axes		
Operating Temperature Range	23...104 °F (-5...+40 °C) non-condensing		
Shipment and Short-Term Temperature Limits	-22...+158 °F (-30...+70 °C)		
Housing Material	Nylon		
Wire Size	#18...8 AWG (1.0...10 mm ²) Tightening Torque — 2.4 N•m (21 lb•in)		
	#6...4 AWG (16...25 mm ²) Tightening Torque — 3.1 N•m (27 lb•in)		
Recommended Wire Strip Length	0.51 in. (13 mm)		
Electromechanical Life	6000 operations (1 operation = 2 switching events) ON/OFF		
Switched Neutral Rating	277V AC		
Supplementary Protector			
Certifications	UL 1077 - Recognized Component QVNU2 - E65138 CSA C22.2 No. 235 Certified Component		
Use Group (UG)	UG A - General Industrial		
Terminals (FW)	FW 3 Line and Load evaluated for field wiring		
Overload Rating (OL)	OL 0 (general use)		
1-Pole, 1-Pole + N			
Maximum Volts	277V AC		48V DC
Tripping Current (TC)	TC 1, 40 °C		TC 1, 40 °C
Short-Circuit Current Rating (SC)	SC U2		SC U1
	< 35 A	10 kA @ 277V AC; B and C Curve 5 kA @ 277V AC; D Curve	10 kA @ 48V DC; B, C, and D Curve
	40, 50, 63 A	5 kA @ 277V AC; B, C, and D Curve	
2-Pole, 3-Pole, 3-Pole + N			
Maximum Volts	480Y/277V AC		96V DC (2-pole - series)
Tripping Current	TC 2, 40 °C		TC 2, 40 °C
Short-Circuit Current Rating (SC)	SC U2		SC U1
	< 35 A	10 kA @ 480Y/277V AC; B and C Curve 5 kA @ 480Y/277V AC; D Curve	10 kA @ 96V DC; B, C, and D Curve
	40, 50, 63 A	5 kA @ 480Y/277V AC; B, C, and D Curve	
Miniature Circuit Breaker			
Certifications	IEC/EN 60898 (VDE) IEC/EN 60947-2 (GL) (not including D50 and D63) CQC (GB-10963) (not including D50 and D63)		
Rated Voltage U_n	240/415VAC 48V DC (CE 60747-2)		
Rated Insulation Voltage U_i	440 VAC		
Rated Impulse Withstand Voltage U_{imp}	4 kV (1.2/50) μ sec		
Conventional Non-Tripping Current	int = 1.13 I_n		
Conventional Tripping Current	it = 1/45 I_n		
Reference Temperature	30 °C		
Temperature Factor	0.5% /K		
Maximum Back-Up Fuse	125 A gL/gG		
Selectivity Class	3		
Rated Short-Circuit Capacity	I_{cn} (IEC 60 898) = 10 kA I_{cu} (IEC 60 947-2) = 15 kA		
Service Short-Circuit Capacity	I_{cs} = 7.5 kA		
Climatic Conditions	Acc to IEC 68-2 (25...55 °C/ 90...95% RH)		