
Bulletin 1492 Line Control Circuit and Load Protection Devices

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Bulletin 1492-FB Fuse Holders

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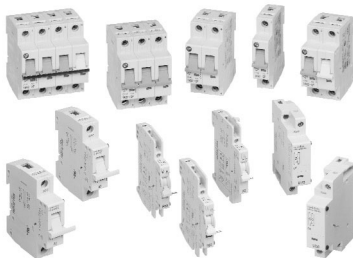
Bulletin 1492-CB Manual Motor Controller/Supplementary Protector/Miniature Circuit Breaker

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Bulletin 1492-GH/GS Supplementary Protector (Miniature Circuit Breakers)

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Bulletin 1492-SP Supplementary Protector/Miniature Circuit Breaker

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Bulletin 1492-SPU Circuit Breaker with UL 489 Approval

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Manual Motor Controller/Supplementary Protector/Miniature Circuit Breaker

Product Selection

Product Selection

Note: Bulletin 1492-CB Circuit Breakers are also available with neutral (1-pole and 3-pole). Devices with Neutral are rated as Supplementary Protectors only, with a Component Recognition. Add a suffix of -N to cat. no.

Tripping Characteristic			F Trip Resistive or Slightly Inductive	G Trip Inductive	H Trip Highly Inductive
			3...5 /n	6...10 /n	12...20 /n
Number of Poles	Continuous Current Rating (In) Ampere	Maximum Hp 1p @ 277V AC, 1-phase 2p @ 480V AC, 1-phase 3p @ 480V AC, 3-phase	Cat. No.	Cat. No.	Cat. No.
1-Pole 1 Piece per Carton	0.5	—	1492-CB1F005	1492-CB1G005	1492-CB1H005
	1	—	1492-CB1F010	1492-CB1G010	1492-CB1H010
	1.5	1/10	1492-CB1F015	1492-CB1G015	1492-CB1H015
	2	1/6	1492-CB1F020	1492-CB1G020	1492-CB1H020
	3	1/3	1492-CB1F030	1492-CB1G030	1492-CB1H030
	4	1/3	1492-CB1F040	1492-CB1G040	1492-CB1H040
	5	1/2	1492-CB1F050	1492-CB1G050	1492-CB1H050
	6	3/4	1492-CB1F060	1492-CB1G060	1492-CB1H060
	7	1	1492-CB1F070	1492-CB1G070	1492-CB1H070
	8	1	1492-CB1F080	1492-CB1G080	1492-CB1H080
	10	2	1492-CB1F100	1492-CB1G100	1492-CB1H100
	12	2	1492-CB1F120	1492-CB1G120	1492-CB1H120
	15	3	1492-CB1F150	1492-CB1G150	1492-CB1H150
	16	3	1492-CB1F160	1492-CB1G160	1492-CB1H160
	20	3	1492-CB1F200	1492-CB1G200	1492-CB1H200
	25	5	1492-CB1F250	1492-CB1G250	1492-CB1H250
	30	5	1492-CB1F300	1492-CB1G300	1492-CB1H300
	32	5	1492-CB1F320	1492-CB1G320	1492-CB1H320
	40	7.5	1492-CB1F400	1492-CB1G400	1492-CB1H400
50	10	1492-CB1F500	1492-CB1G500	1492-CB1H500	
52	10	1492-CB1F520	1492-CB1G520	1492-CB1H520	
2-Pole 1 Piece per Carton	0.5	—	1492-CB2F005	1492-CB2G005	1492-CB2H005
	1	—	1492-CB2F010	1492-CB2G010	1492-CB2H010
	1.5	—	1492-CB2F015	1492-CB2G015	1492-CB2H015
	2	—	1492-CB2F020	1492-CB2G020	1492-CB2H020
	3	1/2	1492-CB2F030	1492-CB2G030	1492-CB2H030
	4	1	1492-CB2F040	1492-CB2G040	1492-CB2H040
	5	1.5	1492-CB2F050	1492-CB2G050	1492-CB2H050
	6	2	1492-CB2F060	1492-CB2G060	1492-CB2H060
	7	2	1492-CB2F070	1492-CB2G070	1492-CB2H070
	8	2	1492-CB2F080	1492-CB2G080	1492-CB2H080
	10	3	1492-CB2F100	1492-CB2G100	1492-CB2H100
	12	3	1492-CB2F120	1492-CB2G120	1492-CB2H120
	15	5	1492-CB2F150	1492-CB2G150	1492-CB2H150
	16	5	1492-CB2F160	1492-CB2G160	1492-CB2H160
	20	5	1492-CB2F200	1492-CB2G200	1492-CB2H200
	25	7.5	1492-CB2F250	1492-CB2G250	1492-CB2H250
	30	10	1492-CB2F300	1492-CB2G300	1492-CB2H300
	32	10	1492-CB2F320	1492-CB2G320	1492-CB2H320
	40	15	1492-CB2F400	1492-CB2G400	1492-CB2H400
50	20	1492-CB2F500	1492-CB2G500	1492-CB2H500	
52	20	1492-CB2F520	1492-CB2G520	1492-CB2H520	



Manual Motor Controller/Supplementary Protector/Miniature Circuit Breaker Specifications/Approximate Dimensions

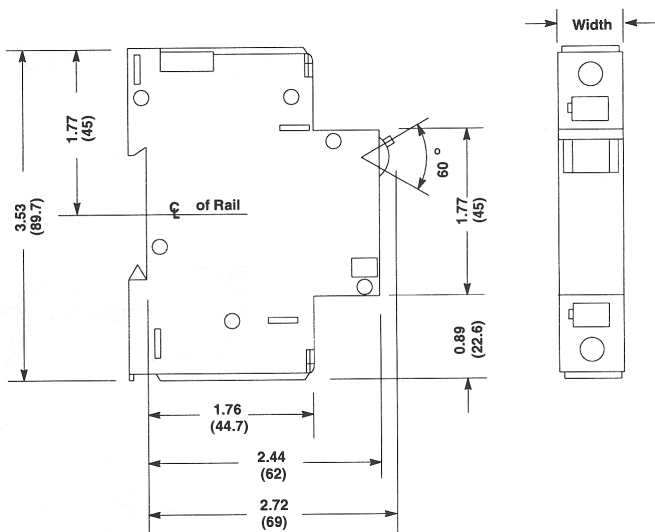
	F Curve Resistive or Slightly Inductive Loads	G Curve Slightly Inductive Loads	D Curve Highly Inductive Loads
Tripping Characteristic	3...5 I _n	6...10 I _n	12...20 I _n
Dielectric Strength	1960V AC		
Shock	25 G Half Sine Wave for 11 ms (3 Axis)		
Vibration	Frequency Range: 10...500 Hz Max. Amplitude (p - p) = 0.030in Max. Acceleration = 5 G 1 hour each of 3 axis		
Operating Temperature Range	-40...+140 °F (-20...+60 °C) non-condensing		
Shipment and Short Term Temperature Limits	-40...+185 °F (-20...+85 °C)		
Housing Material	Melamine-Phenolic		
Wire Size	#16...4 AWG (1.0...25 mm ²)		
Recommended Wire Strip Length	0.51 in (13 mm)		
Electromechanical Life at 240V AC	Up to 6 A, 50 000 cycles 7...16 A, 30 000 cycles 20...32 A, 20 000 cycles 40...50 A, 12 000 cycles		
Switched Neutral Rating	277V AC, 65 A		
Auxiliary Contact Rating	277V AC, 6A		
Signal Contact Rating	125V AC, 1A 50V DC, 6A		
Manual Motor Controller (Series C Devices) (Hp rated, Overload Protection, Instantaneous Trip Provided) Suitable as Motor Disconnect* Suitable for Single Motor and Group Motor Applications			
Current Range	1...52 A	0.5...52 A	0.5...52 A
Short Circuit Rating/Interrupting Capability without Series Fuse†			
One-Pole	5 kA @ 277V AC		
Multi-Pole	5 kA @ 480YV AC		
Supplementary Protector — General Industrial Type 25 °C Ambient			
Current Range	1...52A	0.5...52A	0.5...52A
Overload Rating (OL), Tested at 1.5 Times Current Rating for General Use			
One-Pole	OL: 0 @ 277V AC		
Multi-Pole	OL: 0 @ 480Y/277V AC		

* (0.5...30 A)

† Suitable for use after clearing fault.

Approximate Dimensions

Dimensions are shown in inches (millimeters). Dimensions are not intended for manufacturing purposes.



	F Curve Resistive or Slightly Inductive Loads	G Curve Slightly Inductive Loads	D Curve Highly Inductive Loads
Tripping Current (TC)*			
TC: 1	Tripping Current is in the range of 125...135% of amp range		
Short Circuit/Interrupting Capability Rating without Series Fuse			
One-Pole	5 kA @ 277V AC U1 3 kA @ 277V AC U2 and U3 10 kA @ 125V AC U2 and U3		
Multi-Pole	5 kA @ 480Y/277V AC U1 3 kA @ 480Y/277V AC U2 and U3 10 kA @ 240V AC U2 5 kA @ 240V AC U3		
One-Pole, Two-Pole	2 kA @ 65V DC U1		
DC Rated Devices	DF Curve 4.5...8 I _n	DG Curve 9...16 I _n	DH Curve 18...32 I _n
One-Pole	10 kA @ 120V DC U1	10 kA @ 120V DC U1	5kA @ 120V DC U1
Two-Pole in Series	10 kA @ 240V DC U1	10 kA @ 240V DC U1	5kA @ 240V DC U1
Miniature Circuit Breaker (IEC) Interrupt Rating			
Current Range	1...50 A	0.5...50 A	0.5...50 A
One-Pole	10 kA @ 240V AC		
Multi-Pole	10 kA @ 420V AC		

* (0.5...30 A)

Number of Poles and Accessories	1	2	3	4	5
Width (inches)	0.7	1.4	2.1	2.8	3.5
Width (millimeters)	17.8	35.6	53.3	71.1	88.9

Note: Accessories and one pole width are identical.

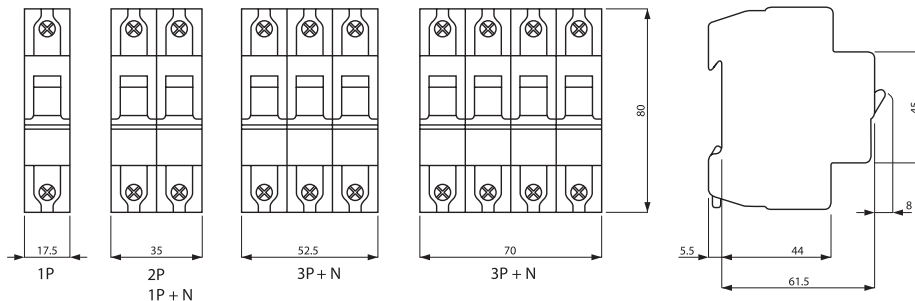
Auxiliary Specifications

	Auxiliary Contact Module Dual Auxiliary Contact Module Auxiliary/Signal Alarm Module Cat. Nos. 1492-ASPH3 1492-ASPHH3 1492-SASPHS3	Undervoltage Release Module Cat. Nos. 1492-ASPU115 1492-ASPU230	Shunt Trip Module Cat. Nos. 1492-ASPA1 1492-ASPA2	
Degree of Protection	IP20 (IP00)			
Dimensions	See page 4-20			
Weight	0.045 kg	0.155 kg	0.155 kg	
Mechanical Lifespan	6000 operations	10 000 operations	4000 operations	
Minimum Impulse Duration	—	—	> 15 ms	
Minimum Command Time	—	—	≤ 200ms	
Operating Voltage	—	1492-ASPU115: U _n -115V AC, U _{min} -50V AC	1492-ASPA1: 110...415V AC, 110...230V AC	
	—	1492-ASPU230: U _n -230/240V AC, U _{min} -110V AC	1492-ASPA2: 12...110V AC, 12...60V AC	
Inrush Current	—	3.6/44 mA (AC/DC)	25/12 mA (AC) 15/2 mA (DC)	
Dropout	—	0.7...0.35 x U _s	—	
Voltage Range	—	—	0.7...1.1 x U _s	
IEC	Max. Operating Current	AC 13 @ 250V AC 3 A AC 15 @ 250V AC 0.5 A DC 12 @ 110V DC 0.5 A U _{min} -5V AC	—	—
	Terminal Capacity IEC Rigid, CU	0.5...2.5 mm ² 2 x 0.5...2 x 2.5 mm ²	0.5...4.0 mm ² 2 x 0.5...2 x 2.5 mm ²	1.0...25 mm ² 2 x 1.0...2 x 4.0 mm ²
	Tightening Torque	0.8 N•m	1.1 N•m	2.4 N•m
UL 1077 CSA 22.2 No. 235	Max. Operating Current	@ 230V AC 2 A @ 110V DC 0.5 A U _{min} -5V CDC	—	—
	Terminal Capacity CU	#18...14 AWG 2 x #18...2 x #14 AWG	#18...14 AWG 2 x #18...2 x #14 AWG	#18...8 AWG 2 x 18...2 x #12 AWG
	Tightening Torque	7 lb•in	10 lb•in	21 lb•in

Approximate Dimensions

Dimensions are shown in millimeters. Dimensions are not intended for manufacturing purposes.

Bulletin 1492-SP Series C



Bulletin 1492-SP