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Find the *Rockwell / Allen-Bradley 1492-SP1D150* at our website: *Click HERE*

Bulletin 1492-SP

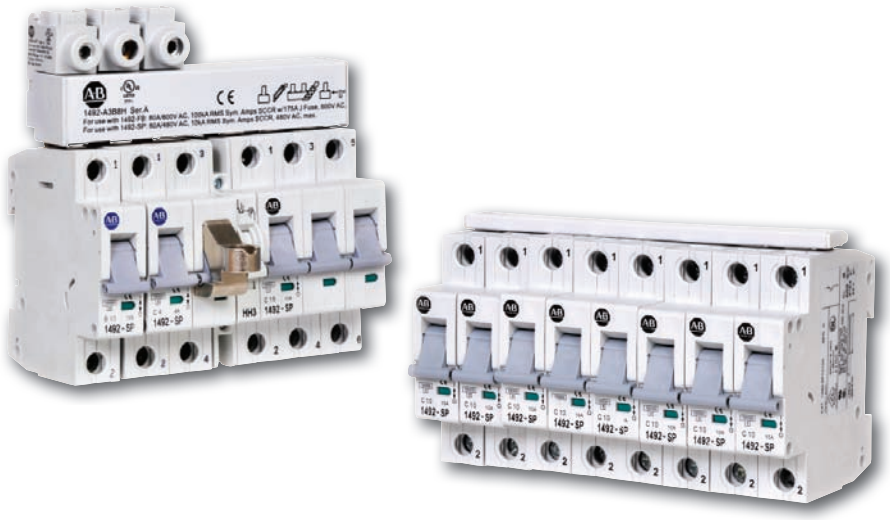
Allen-Bradley

Supplementary Protectors - UL 1077/CSA 22.2 No. 235
Miniature Circuit Breakers - IEC/EN 60 898, 60 947-2, & CCC GB 10963

Advantages

- Flexibility
  - *Available in a wide range of currents and trip characteristics to meet application protection needs*
- Available bus bars
  - *IEC versions*
  - *UL, CSA, CE certified*
  - *80 A and 100 A ampacity*
- Energy-limiting capability
  - *Provides ten to twenty times less "let-through" energy than conventional circuit breakers, resulting in diminished wire heating and minimized damage to downstream components*
- Space-saving design
  - *Requires less panel space*
    - *Height is 80 mm*
    - *Auxiliary and signal contact only 9 mm wide*
- Simplified maintenance
  - *Red/green flags and toggle position identify localized fault to simplifying troubleshooting*
- Global product offering
  - *Meets US, Canadian, Chinese, and IEC/EN standards*
  - *Designed for worldwide applications*

Available bus bar options bring this line to a new level of flexibility and simplicity



Overview

The Allen-Bradley® Bulletin 1492-SP products from Rockwell Automation are energy limiting supplementary protectors/miniature circuit breakers. In case of a short circuit or thermal overload, these devices are designed to protect equipment, systems, and cables by a quick disconnection. They meet the requirements of UL 1077/CSA 22.2 No. 235 and are in conformity with IEC/EN 60 898, 60 947-2, and CCC GB 10963.

When following appropriate standards, these devices increase protection of energy loads such as controller I/O, solenoids, power supplies, and control transformers from damaging power surges.

Accessory options:

- Auxiliary contacts
- Auxiliary/signal contacts
- Shunt trip
- Undervoltage release
- Lock-out attachment
- Commoning links for IEC applications
- Bus bars for US/Canadian applications

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Catalog Number Explanation

Supplementary Protectors/Miniature Circuit Breakers

1492	–	SP	3	B	200	N
		a	*b*	*c*	*d*	*e*

a

Energy Limiting Circuit Breaker	
SP	Screw Terminal

b

Number of Poles	
1	1-Pole
2	2-Pole
3	2-Pole

c

Trip Characteristics	
Magnetic Trip Range	
B	3-5 in
C	6-10 in
D	12-20 in

d

Current Rating
Examples
005 = 0.5 Amps
060 = 6.0 Amps
150 = 15 Amps

e

Switched Neutral	
N	(Optional)

Specifications

Bulletin 1492-SP Series C

Trip Characteristic	B Curve	C Curve	D Curve
	Resistive or Slightly Inductive Loads	Inductive Loads	Highly Inductive Loads
	3…5 In	5…10 In	10…20 In
Current Range	1…63 A	0.5…63 A	0.5…63 A
Poles (18 mm)	1, 2, 3, 1 + N, 3 + N		

Miniature Circuit Breaker

Approvals	IEC/EN 60 898 (VDE), IEC/EN 60 947-2 (GL), CE, CCC
Interrupt Rating 1 Pole	10 kA @ 240 VAC
Interrupt Rating Multi-Pole	10 kA @ 415 VAC

Supplementary Protector

Approvals	UL 1077 Recognized Component QVNU2-E65133, CSA 22.2 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		
Max. Volts	277 VAC	48 VDC
Tripping Current (TC)	TC 1, 40°C	TC 1, 40°C
Short-Circuit Current Rating (SCCR)	SC U2	SC U1
< 35 A	10 kA @ 277 VAC B & C Curve 5 kA @ 277 VAC D Curve	10 kA @ 48 VDC B, C, and D Curve
40, 50, 63 A	5 kA @ 480Y/277 VAC B, C, & D Curve	
2 Pole, 3 Pole, 3 Pole + N		
Max. Volts	480Y/277 VAC	125 VDC (2-Pole Series)
Tripping Current (TC)	TC 2, 40°C	TC 2, 40°C
Short-Circuit Current Rating (SCCR)	SC U2	SC U2
< 35 A	10 kA @ 480Y/277 VAC B & C Curve 5 kA @ 480Y/277 VAC D Curve	10 kA @ 48 VDC B, C, and D curve
40, 50, 63 A	5 kA @ 480Y/277 VAC B, C, & D Curve	

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Accessories

Bus Bars, Pin Style

Cuttable, copper bus bar provided in 1 m length. UL 508 Listed, E56639, Category NMTR, cULus. CE to IEC 664 10 kA SCCR for use with 1492-SP. Bus bars may also be used with 1492-FB, Type CC and midget fuse holders.

Description	For Use With	Package Quantity	Devices Per Meter	Ampacity	Cat. No.
1-Phase Bus Bar	1492-SP1	(1) - 1 Meter Bus Bar	57	80 A	1492-A1B8
				100 A	1492-A1B1
	1492-SP1 with Auxiliary Contact Module		36	80 A	1492-A1B8H
				100 A	1492-A1B1H
2-Phase Bus Bar	1492-SP2		29	80 A	1492-A2B8
				100 A	1492-A2B1
	1492-SP2 with Auxiliary Contact Module		22	80 A	1492-A2B8H
				100 A	1492-A2B1H
3-Phase Bus Bar	1492-SP3		19	80 A	1492-A3B8
				100 A	1492-A3B1
	1492-SP3 with Auxiliary Contact Module		16	80 A	1492-A3B8H
				100 A	1492-A3B1H
End Cap for 1-Phase	—	10	—	—	1492-A1E
End Cap for 2 & 3-Phase	—	10	—	—	1492-AME
Protective Shroud	—	10	—	—	1492-AAP
Terminal Lug	—	10	—	80 A/100 A	1492-AAT1

Fork Style Commoning Links (For use with 1492-SP only. CE to IEC 664 only.)

May Be Cut to Length, Not for Use with Accessories

Type	No. of 1492-SP	Rated Operational I_e End Feed per Phase	Rated Operational I_e Center Feed per Phase (I_e < 63 A)	Pieces per Package	Cat. No.
1-Pole	1 m (56 devices/m)	63	100	1	1492-ASPCL1
2-Pole	1 m (29 devices/m)	63	100	1	1492-ASPCL2
3-Pole	1 m (19 devices/m)	63	100	1	1492-ASPCL3
End Caps for 2 & 3-Pole	—	—	—	10	1492-ASPEC1

May Not Be Cut to Length, Not for Use with Accessories

Type	No. of 1492-SP	Rated Operational I_e End Feed per Phase	Rated Operational I_e Center Feed per Phase (I_e < 63 A)	Pieces per Package	Cat. No.
1-Pole	2	63	100		1492-ASPCL102
1-Pole	6	63	100	20	1492-ASPCL106
1-Pole	12	63	100	20	1492-ASPCL112
2-Pole (1p + N)	2	63	100	10	1492-ASPCL204
2-Pole (1p + N)	3	63	100	10	1492-ASPCL206
2-Pole (1p + N)	6	63	100	10	1492-ASPCL212
3-Pole	2	63	100	10	1492-ASPCL306
3-Pole	4	63	100	10	1492-ASPCL312
4-Pole	2	63	100	5	1492-ASPCL408
4-Pole	3	63	100	5	1492-ASPCL412

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May Not Be Cut to Length, For Use with Accessories

Type	No. of 1492-SP	Rated Operational I_e End Feed per Phase	Rated Operational I_e Center Feed per Phase (I_e < 63 A)	Pieces per Package	Cat. No.
1-Pole	2	63	100	20	1492-ASPCL1A02
1-Pole	6	63	100	20	1492-ASPCL1A06
1-Pole	9	63	100	20	1492-ASPCL1A09
2-Pole (1p + N)	2	63	100	10	1492-ASPCL2A04
2-Pole (1p + N)	3	63	100	10	1492-ASPCL2A06
2-Pole (1p + N)	5	63	100	10	1492-ASPCL2A10
3-Pole	2	63	100	10	1492-ASPCL3A06
3-Pole	4	63	100	10	1492-ASPCL3A12

May Not Be Cut to Length, For Use with Multiple 1 Pole Each with Aux. Contact Module

Type	No. of 1492-SP	Rated Operational I_e End Feed per Phase	Rated Operational I_e Center Feed per Phase (I_e < 63 A)	Pieces per Package	Cat. No.
—	2 x 3 (1p)	63	100	10	1492-ASPCL2AP06
—	2 x 3 (1p) + 2 (1p)	63	100	10	1492-ASPCL3AP08
—	3 x 3 (1p)	63	100	10	1492-ASPCL2AP09

Incoming Terminals for Fork Style

Type	No. of 1492-SP	Rated Operational I_e End Feed per Phase	Rated Operational I_e Center Feed per Phase (I_e < 63 A)	Pieces per Package	Cat. No.
For Max. 25 mm^2 Wire	—	—	100	50	1492-ASPCLT25
For Max. 35 mm^2 Wire	—	—	100	10	1492-ASPCLT35

Protective Covers for Unused Forks

Type	No. of 1492-SP	Rated Operational I_e End Feed per Phase	Rated Operational I_e Center Feed per Phase (I_e < 63 A)	Pieces per Package	Cat. No.
—	—	—	100	10 Sets (5/Set)	1492-ASPCLPS

See www.ab.com for additional product information.

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