

# Supplementary Protector/Miniature Circuit Breaker

## Product Overview



### Bulletin 1492-SP — Supplementary Protector/Miniature Circuit Breaker

- Energy limiting design — protects downstream components better than conventional breakers during short circuits
- Field-mountable options for selective applications
- True IP2X finger-safe design (front)
- International approvals — CE Marked, and meets UL, CSA, and IEC (VDE, GL) standards for worldwide acceptance
- Ratings to 480Y/277V AC @ 240/415V AC — 10 000 A interrupt rating
- AC and DC voltage ratings — in one convenient device
- A positively trip-free mechanism (breaker operation cannot be defeated by holding the handle in the ON position)
- 3 trip curves: B, C, and D
- Time delay (D characteristic) for high inrush currents during inductive start-ups such as transformers and power supplies
- Superior shock and vibration resistance capabilities — helps to prevent nuisance tripping

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### Standards Compliance

- UL 1077
- CSA C22.2 No. 235
- IEC/EN 60898, 60947-2
- UL File Number E65138
- CCC GB10963

### Certifications

- UL Recognized
- CSA Certified
- CE Marked
- Germanischer Lloyd (Marine)
- CCC

Bulletin 1492-SP series C devices are energy limiting, thermal magnetic type overcurrent protectors meeting UL 1077/CSA C22.2 No. 235, IEC/EN 60898. These devices are designed for the protection of a wide variety of products including:

- Solenoids
- Test equipment
- Controller I/O points
- Relay and contractor coils
- Computers
- Transformers
- Automotive systems
- Power supplies
- Medical equipment
- Control instrumentation

The Bulletin 1492-SP supplementary protectors/miniature circuit breakers are available in one-, one-pole plus neutral, two-, three-, and three-pole plus neutral units. One- and two-pole AC units also have limited DC ratings. Two- and three pole units are connected at the handle for simultaneous operation. Screw termination is standard on all Bulletin 1492-SP units. Both line and load side terminals accept #18...4 AWG (1.0.. 25 mm<sup>2</sup>) copper wire.

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### Ordering Information

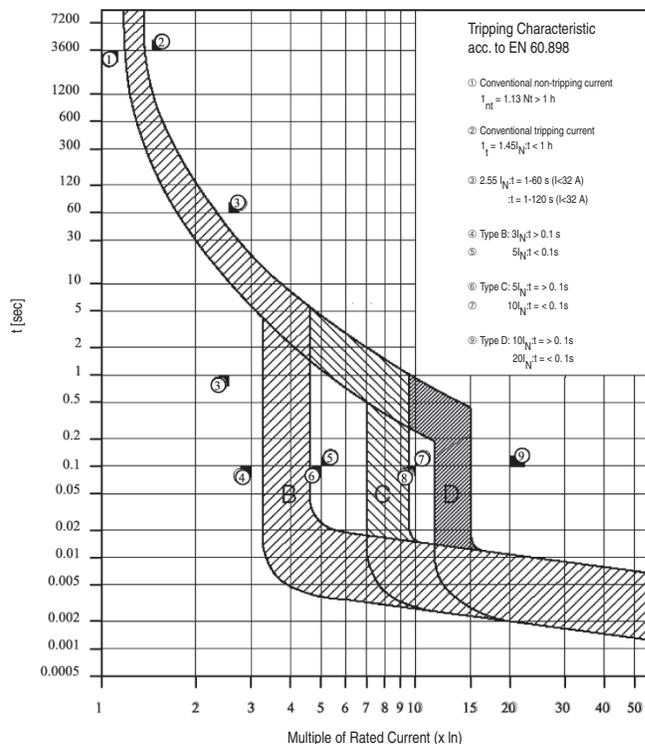
To order the proper device, you need to know the:

- Maximum rated current of equipment to be protected
- System phase of 1-, 2-, or 3
- Maximum startup (inrush) current
- Accessories that are required

Use the product selection tables on the following pages to determine the catalog number.

1. Select a 1-, 2-, or 3-pole device.
2. If needed, select the Switched Neutral Module. The Switched Neutral Module is mounted on the right side of the breaker. This module must be mounted at the factory. It cannot be installed in the field.
3. If applicable, consider the derating factors listed in the Determining Ratings section of Publication 1492-TD010\*
4. Order accessory contacts or modules as separate items. Accessory modules are always mounted on the left side of the supplemental protector/miniature circuit breaker. A maximum of two accessory modules can be mounted on a single device.

Refer to the Accessories table on page 7-49 for possible combinations.



Tripping Characteristics  
Bul 1492-SP at 30 °C



# Supplementary Protector/Miniature Circuit Breaker

## Accessories

The following bus bars (commoning links have CE approval only for IEC applications).

Type	No. of 1492-SP	Rated Operational $I_s$ End Feed per phase	Rated Operational $I_e$ Center Feed per phase ( $I_s < 63$ A)	Pieces Per Package	Cat. No.
<b>Fork Style Commoning Links (may be cut to length, not for use with accessories)</b>					
1 pole	1 m (56 devices/m)	63	100	1	<b>1492-ASPCL1</b>
3 poles	1 m (19 devices/m)	63	100	1	<b>1492-ASPCL3</b>
End cap for 3-pole	—	—	—	10	<b>1492-ASPEC1</b>
<b>Fork Style Commoning Links (may NOT be cut to length, not for use with accessories)</b>					
1 pole	2	63	100	—	1492-ASPCL102
1 pole	6	63	100	20	1492-ASPCL106
1 pole	12	63	100	20	<b>1492-ASPCL112</b>
2 poles (1p + N)	2	63	100	10	1492-ASPCL204
2 poles (1p + N)	3	63	100	10	1492-ASPCL206
2 poles (1p + N)	6	63	100	10	1492-ASPCL212
3 poles	2	63	100	10	1492-ASPCL306
3 poles	4	63	100	10	1492-ASPCL312
4 poles	2	63	100	5	1492-ASPCL408
4 poles	3	63	100	5	1492-ASPCL412
<b>Fork Style Commoning Links (for use with accessories)</b>					
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 poles (1p + N)	2	63	100	10	1492-ASPCL2A04
2 poles (1p + N)	3	63	100	10	1492-ASPCL2A06
2 poles (1p + N)	5	63	100	10	1492-ASPCL2A10
3 poles	2	63	100	10	1492-ASPCL3A06
3 poles	4	63	100	10	1492-ASPCL3A12
<b>Three-Phase Bus for Multiple Single-Pole (each with 1 auxiliary contact)</b>					
—	2x3 (1p)	63	100	10	1492-ASPCL3AP06
—	2x3 (1p)+2 (1p)	63	100	10	1492-ASPCL3AP08
—	3x3 (1p)	63	100	10	1492-ASPCL3AP09
<b>Incoming Terminals for Fork Style (not for use in North America)</b>					
For max 25 mm <sup>2</sup> wire	—	—	100	50	1492-ASPCLT25
For max 35 mm <sup>2</sup> wire	—	—	100	10	<b>1492-ASPCLT35</b>
<b>Protective Covers for Unused Forks</b>					
—	—	—	100	10 sets (5/set)	1492-ASPCLPS

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