

# Socomec Modular Fuse Holders For Class CC and Midget Class Fuses

## Why choose fuses for electrical protection?

### Guaranteed Performance

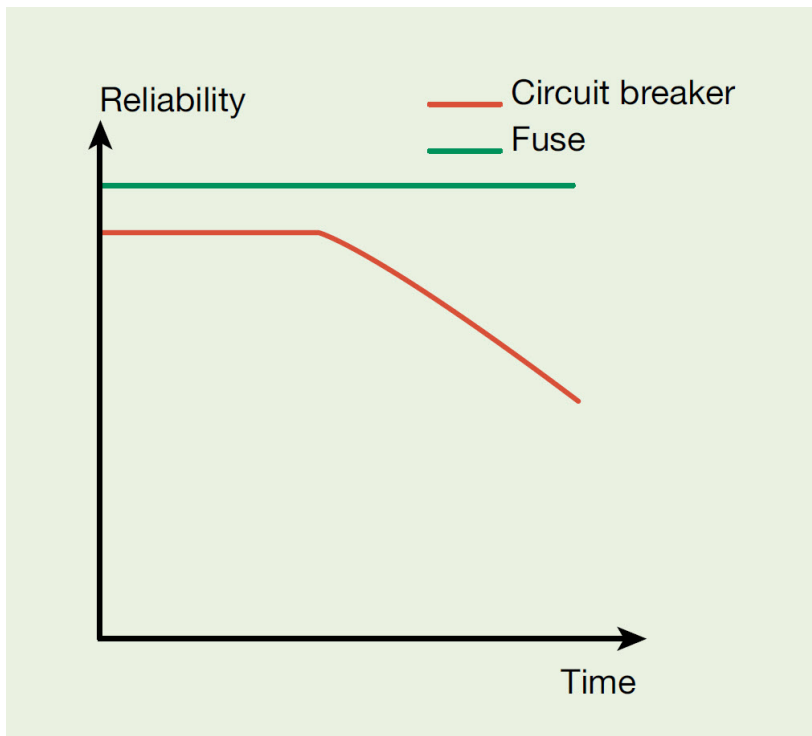
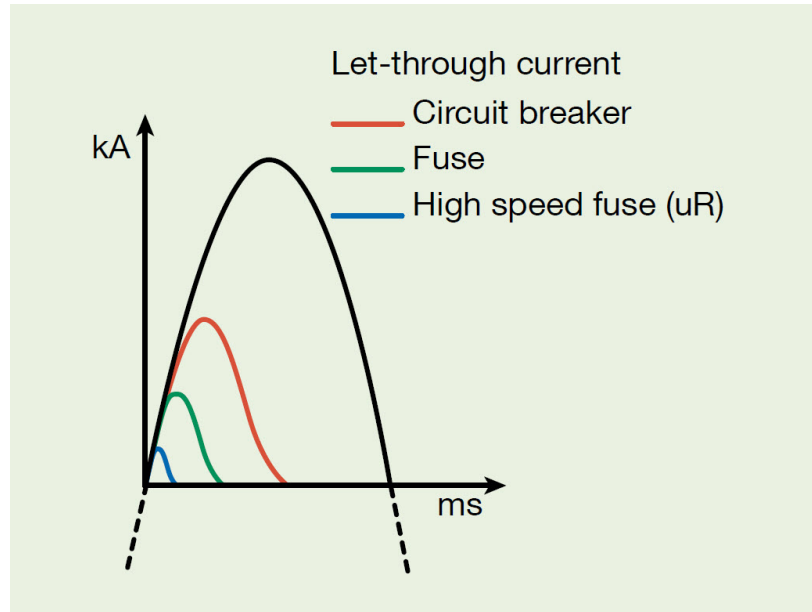
The use of fuses can greatly limit the short-circuit current and minimize its destructive effect on the equipment being protected. No device can compete with the exceptional speed of the fuse with regard to limitation of short-circuit and thermal stress. Several milliseconds are sufficient to completely eliminate a strong short-circuit current (up to 200kA).

### Total Reliability

Fuses are totally sealed products, which guarantees long-term protection without any maintenance. Circuit breakers are complex devices that include moving parts. Their mechanisms can be affected by dust, humidity, and other external factors.

### Maximum Safety

Fuses protect the user and the electrical system while avoiding any outward sign when managing a failure. The energy released during a short-circuit event is contained in the sealed fuse cartridge. There is no release of ionized gases and thus no effect on surrounding equipment in comparison to what happens when circuit breakers open on a short-circuit.



# Socomec Modular Fuse Holders for Class CC Fuses



## Features

- Up to 30A, 600VAC, 200kA RMS
- 1-, 2-, and 3-pole versions available
- Blown fuse indicating LED on select models
- Modular DIN 45mm cutout design
- IP20 finger safe / touch safe
- Sealed by a wire to prevent unwanted opening
- Very small footprint

## Application examples

- Distribution boards
- Motor and control circuits
- Transformer protection
- Measuring devices and multimeter protection

## Socomec Modular Fuse Holders for Class CC Selection Guide

| Part Number                  | Price    | Fuse Size (mm) | Box Qty. | Poles      | Weight Per Individual Unit (kg [lb]) | Drawing             |
|------------------------------|----------|----------------|----------|------------|--------------------------------------|---------------------|
| <a href="#">57050001</a>     | \$84.00  | 10x38 mm       | 12       | 1          | 0.057 [0.126]                        | <a href="#">PDF</a> |
| <a href="#">57050001-1PK</a> | \$7.75   |                | 1        |            |                                      | <a href="#">PDF</a> |
| <a href="#">57050002</a>     | \$76.00  |                | 6        | 2          | 0.114 [0.251]                        | <a href="#">PDF</a> |
| <a href="#">57050002-1PK</a> | \$14.00  |                | 1        |            |                                      | <a href="#">PDF</a> |
| <a href="#">57050003</a>     | \$82.00  |                | 4        | 3          | 0.170 [0.375]                        | <a href="#">PDF</a> |
| <a href="#">57050003-1PK</a> | \$22.50  |                | 1        |            |                                      | <a href="#">PDF</a> |
| <a href="#">57050011</a>     | \$112.00 |                | 12       | 1 with LED | 0.057 [0.126]                        | <a href="#">PDF</a> |
| <a href="#">57050011-1PK</a> | \$10.50  |                | 1        |            |                                      | <a href="#">PDF</a> |
| <a href="#">57050012</a>     | \$118.00 |                | 6        | 2 with LED | 0.114 [0.251]                        | <a href="#">PDF</a> |
| <a href="#">57050012-1PK</a> | \$23.00  |                | 1        |            |                                      | <a href="#">PDF</a> |
| <a href="#">57050013</a>     | \$97.00  |                | 4        | 3 with LED | 0.170 [0.375]                        | <a href="#">PDF</a> |
| <a href="#">57050013-1PK</a> | \$27.50  |                | 1        |            |                                      | <a href="#">PDF</a> |

## Agency Approvals

- UL file E307648, standard UL 4248-4
- CE compliant to RoHS Directive and Low Voltage directives
- CSA C22.2 No 4248-07 class 6225-01 File 265615



# Socomec Modular Fuse Holders for Class CC Fuses

| Socomec Modular Fuse Holders for Class CC Fuses Specifications |   |  |
|--|---|--|
| Characteristics According to UL 4248-4                         |   |  |
| Rated Operational Current                                      |   | 30A                                      |
| Fuse Type  |   | CC                                       |
| Fuse Feature   |   | Rejection ferrule                        |
| Rated Operating Voltage  |   | 600V                                     |
| Dielectric Strength  |   | 2200V                                    |
| LED Working Voltage <sup>1</sup>                               |   | 120-600 VAC / 12-24 VDC                  |
| Rated Power Dissipation (watts per pole)                       |   | 3  |
| Protection Degree  |   | IP20                                     |
| Class CC Fuse Protected Short-Circuit Withstand                |   |  |
| Prospective Short-Circuit Current                              |   | 200kA rms                                |
| Connection   |   |  |
| 1 Wire   | Minimum Cu cable cross-section solid / stranded | 0.75 mm <sup>2</sup> / 18 AWG            |
|  | Maximum Cu cable cross-section solid / stranded | 10mm <sup>2</sup> / 8 AWG                |
| 2 Wires  | Minimum Cu cable cross-section solid / stranded | 0.75 mm <sup>2</sup> / 18 AWG            |
|  | Maximum Cu cable cross-section solid            | 10mm <sup>2</sup> / 8 AWG                |
|  | Maximum Cu cable cross-section stranded         | 10mm <sup>2</sup> / 8 AWG                |
| Wire Strip   |   | 10mm [0.39 in]                           |
| Maximum Tightening Torque                                      |   | 2.5 N•m / 22 lb•in                       |
| Mounting   |   | DIN rail 35mm<br>DIN 46277/1-3 (EN50022) |
| Mechanical Characteristics                                     |   |  |
| Weight   | 1P  | 0.057 kg [0.126 lb]                      |
|  | 2P  | 0.114 kg [0.251 lb]                      |
|  | 3P  | 0.170 kg [0.375 lb]                      |

1: For fuse holders with LED indicator

| Socomec Modular Fuse Holders for Class CC Fuses Specifications |           |                         |
|--|-----------|-------------------------|
| Characteristics According to UL 4248-4                         |           |                         |
| Thermal Current  |           | 30A                     |
| Fuse Type  |           | CC                      |
| Fuse Feature   |           | Rejection ferrule       |
| Rated Operating Voltage  |           | 600V                    |
| LED Working Voltage <sup>1</sup>                               |           | 120-600 VAC / 12-24 VDC |
| Fuse Rating  | At 400VAC | 30A                     |
|  | At 500VAC | 30A                     |
|  | At 690VAC | -                       |
| Fuse Protected Short-Circuit Withstand                         |           |                         |
| Prospective Short-Circuit Current (kA rms) <sup>1</sup>        |           | 200                     |

1: For fuse holders with LED indicator

Note: Current de-rating factors when multiple holders are installed side by side:

- 1 to 3 – 1
- 4 to 6 – 0.8
- 7 to 9 – 0.7
- More than 10 – 0.6

# Socomec Modular Fuse Holders for RM Midget/Ferrule Fuses

| Socomec RM Midget/Ferrule Fuse Holder Selection Guide |          |              |                |          |            |                     |
|---|----------|--------------|----------------|----------|------------|---------------------|
| Part Number   | Price    | Basic Device | Fuse Size (mm) | Box Qty. | Poles      | Drawing             |
| <a href="#">57010011</a>                              | \$119.00 | 30A          | 10x38          | 12       | 1 with LED | <a href="#">PDF</a> |
| <a href="#">57010011-1PK</a>                          | \$11.00  |              |                | 1        |            | <a href="#">PDF</a> |
| <a href="#">57010015</a>                              | \$50.00  |              |                | 12       | 1          | <a href="#">PDF</a> |
| <a href="#">57010015-1PK</a>                          | \$4.75   |              |                | 1        |            | <a href="#">PDF</a> |
| <a href="#">57010020</a>                              | \$57.00  |              |                | 6        | 2          | <a href="#">PDF</a> |
| <a href="#">57010020-1PK</a>                          | \$10.50  |              |                | 1        |            | <a href="#">PDF</a> |
| <a href="#">57010018</a>                              | \$56.00  |              |                | 4        | 3          | <a href="#">PDF</a> |
| <a href="#">57010018-1PK</a>                          | \$15.50  |              |                | 1        |            | <a href="#">PDF</a> |

| Socomec RM Midget/Ferrule Fuse Holder Specifications<br>(Characteristics according to<br>UL 4248-1 and CSA-C22.2 No. 4248-1) |   |   |  |
|--|---|---|--|
| <b>Thermal Current</b>   |   | 30A   |  |
| <b>Fuse Type</b>   |   | Midget  |  |
| <b>Fuse Size</b>   |   | 10x38 mm                                      |  |
| <b>Rated Operating Voltage</b>   |   | 750V  |  |
| <b>Rated Fuse Dissipated Power (watts per pole)</b>  |   | 3   |  |
| <b>Protection Degree</b>   |   | IP20  |  |
| <b>gG Fuse Protected Short-Circuit Withstand</b>   | Prospective Short-Circuit Current (kA rms) <sup>1</sup> | Rated voltage: 690VAC                         | 100  |
|  |   | Rated voltage: 400/500VAC                     | 120  |
| <b>Design Current Derating Coefficient Depending on Temperature</b>  |   | 20°C [68°F]                                   | 1  |
|  |   | 30°C [86°F]                                   | 0.95                                       |
|  |   | 40°C [104°F]                                  | 0.90                                       |
|  |   | 50°C [122°F]                                  | 0.80                                       |
|  |   | 60°C [140°F]                                  | 0.70                                       |
| <b>Connection</b>  |   | Minimum Cu cable cross-section solid/stranded | 0.75 mm <sup>2</sup> / 18 AWG              |
|  |   | Maximum Cu cable cross-section solid          | 10mm <sup>2</sup> / 8 AWG                  |
|  |   | Maximum Cu cable cross-section stranded       | 10mm <sup>2</sup> / 8 AWG                  |
|  |   | Tightening torque                             | 2.5 N•m / 22 lb•in                         |
| <b>Weight</b>  |   | 1 P   | 0.125 lb [0.057 kg]<br>0.0132 lb [0.06 kg] |
|  |   | 1 P   | 0.258 lb [0.117 kg]                        |
|  |   | 3 P   | 0.505 lb [0.229 kg]                        |

1: Connection for RM32 1 P (1 module)

Note: Current de-rating factors when multiple holders are installed side by side:

- 1 to 3 – 1
- 4 to 6 – 0.8
- 7 to 9 – 0.7
- More than 10 – 0.6

## Features

- Blown fuse indicating LED on select models
- High breaking capacity
- High dielectric strength
- Touch safe
- IP2X protection
- DIN rail mounting
- Non-load disconnect
- Handle can be padlocked (padlock not supplied)
- Padlocking handle accessories must be purchased from Socomec

## Application examples

- Industrial control panels
- Inverters
- Measuring devices
- Multifunction meter protection
- UPS
- Motor drives

## Agency Approvals

- UL 4248-1,
- CSA-C22.2 No. 4248-1
- Guide IZLT
- File E307648
- IEC 60269-2-1
- CSA22.2 No 14 class 3211-37 File 265615

