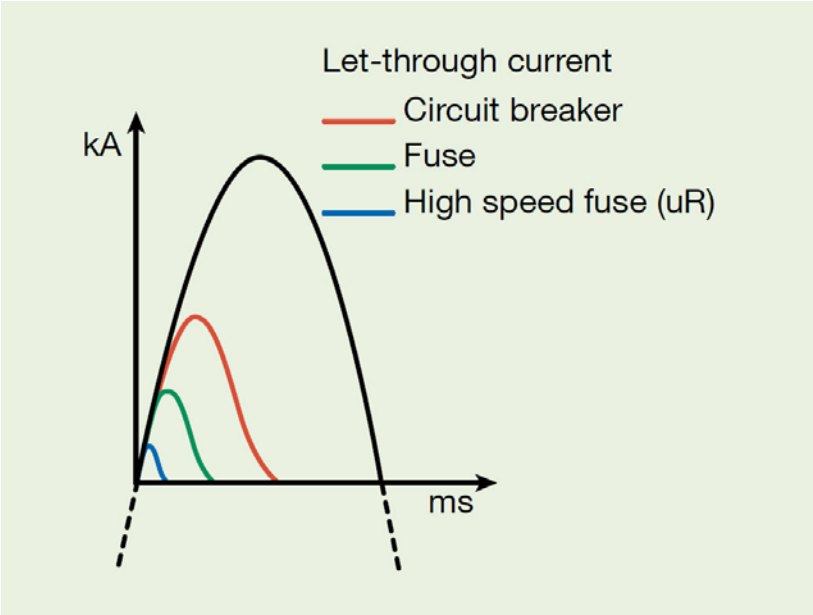
Socomec Modular Fuse Holders For Class CC and Midget Class Fuses

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).

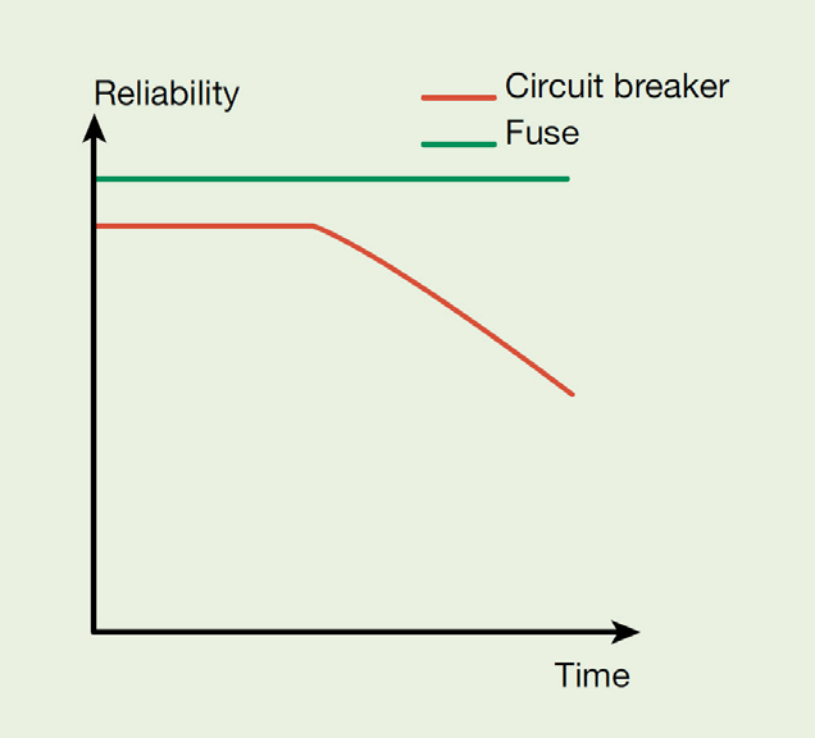


Total Reliability

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

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 Selection Guide

Part Number	Price	Fuse Size (mm)	Box Qty.	Poles	Weight Per Individual Unit (kg [lb])	Drawing
57050001	$;5tnk:	10x38 mm	12	1	0.057 [0.126]	PDF
57050001-1PK	$;5tnp:		1			PDF
57050002	$;-5tnl:		6	2	0.114 [0.251]	PDF
57050002-1PK	$;5tnq:		1			PDF
57050003	$;5tn5:		4	3	0.170 [0.375]	PDF
57050003-1PK	$;;5tn]:		1			PDF
57050011	$;05tnh:		12	1 with LED	0.057 [0.126]	PDF
57050011-1PK	$;5tny:		1			PDF
57050012	$;-05tni:		6	2 with LED	0.114 [0.251]	PDF
57050012-1PK	$;5tns:		1			PDF
57050013	$;-05tnj:		4	3 with LED	0.170 [0.375]	PDF
57050013-1PK	$;5tnz:		1			PDF

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[1]		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^2 / 18 AWG
	Maximum Cu cable cross-section solid / stranded	10mm^2 / 8 AWG
2 Wires	Minimum Cu cable cross-section solid / stranded	0.75 mm^2 / 18 AWG
	Maximum Cu cable cross-section solid	10mm^2 / 8 AWG
	Maximum Cu cable cross-section stranded	10mm^2 / 8 AWG
Wire Strip		10mm [0.39 in]
Maximum Tightening Torque		2.5 N•m / 22 lb•in
Mounting		DIN rail 35mm 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[1]		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)[1]		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***
57010011	$;05tnn:	30A	10x38	12	1 with LED	PDF
57010011-1PK	$;;5tn[:			1		PDF
57010015	$;5tn6:			12	1	PDF
57010015-1PK	$;;5tnt:			1		PDF
57010020	$;5tno:			6	2	PDF
57010020-1PK	$;5tnu:			1		PDF
57010018	$;5tnx:			4	3	PDF
57010018-1PK	$;5tnv:			1		PDF

Socomec RM Midget/Ferrule Fuse Holder Specifications (Characteristics according to UL 4248-1 and CSA-C22.2 No. 4248-1)			
Thermal Current			30A
Fuse Type			Midget
Fuse Size			10x38 mm
Rated Operating Voltage			750V
Rated Fuse Dissipated Power (watts per pole)			3
Protection Degree			IP20
gG Fuse Protected Short-Circuit Withstand	Prospective Short-Circuit Current (kA rms)[1]	Rated voltage: 690VAC	100
		Rated voltage: 400/500VAC	120
Design Current Derating Coefficient Depending on Temperature		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
		70°C [158°F]	0.60
Connection	Minimum Cu cable cross-section solid/stranded		0.75 mm^2 / 18 AWG
	Maximum Cu cable cross-section solid		10mm^2 / 8 AWG
	Maximum Cu cable cross-section stranded		10mm^2 / 8 AWG
	Tightening torque		2.5 N•m / 22 lb•in
Weight		1 P	0.125 lb [0.057 kg] 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