Compact fuse holders CCR

FUSE HOLDERS, FUSE BASES AND SUPPORTS

IEC CYLINDRICAL FUSE HOLDERS



The innovative and comprehensive range of Mersen fuse-holders.

CCR fuse-holders are finger-safe under IEC standards to an IP20 grade of protection, including fuse changing (with the flick of a finger). CCR fuse-holders are available in 1, 2, 3 poles, in IEC version in a very special compact design. Multi-pole units can also be field assembled by ordering pin-ties assembly kit. CCR range is made of tough and durable thermoplastic material.

TECHNICAL DATA OVERVIEW

Voltage Range AC	400 ... 500 VAC
Ampere Range (A)	25 ... 32 A
SCCR	CCR8 = 20 kA, CCR10 = 120 kA
Mounting	Installation on to DIN rails to EN 60719
Body Material	PA6.6 carrier PA6 body and cover
Product Size	For cylindrical fuse links 8x32 and 10x38
Number of poles	1-pole, 2-pole, 3-pole, 1+N

FEATURES & BENEFITS

- Very compact design for small space applications
- Single pole + neutral conductor in one single module
- Finger safe
- Degree of protection: IP20
- DIN rail mounting
- Flame retardant materials with glow wire flammability index to 960°C

APPLICATIONS

- All circuits up to 500VAC for protection of motors, transformers, low voltage distribution, control circuits
- Non-load operation
- Special applications where small room is available:
  - street lighting connection boxes
  - street christmas light connecting boxes
  - swimming pool connecting boxes

STANDARDS

- IEC 60269-2
- IEC 60269-3 and 60947-3 for single pole models
- RoHS Compliant

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PRODUCT RANGE

CCR8 for fuse-links 8x32mm, 25A, 400V



CCR81

Catalog number	Item number	Number of poles/ phases	Design	Standards	Package	Weight
CCR81	C200769	1	CCR8 single pole	IEC60947-3 IEC60269-2 IEC60269-3	12	41 g
CCR81N	A218730	1 + N	CCR8 single pole + neutral conductor in one module	IEC60947-3 IEC60269-2 IEC60269-3	12	52 g
CCR82	V233721	2	CCR8 double pole	IEC60269-2	6	82 g
CCR83	W233722	3	CCR8 triple pole	IEC60269-2	4	0.12 kg

CCR10 for fuse-links 10x38mm, 32A, 500V



CCR101N

Catalog number	Item number	Number of poles/ phases	Design	Standards	Package	Weight
CCR101	N218213	1	CCR10 single pole	IEC60947-3 IEC60269-2 IEC60269-3	12	41 g
CCR101N	H215655	1 + N	CCR10 single pole + neutral conductor in one module	IEC60947-3 IEC60269-2 IEC60269-3	12	52 g
CCR102	X233723	2	CCR10 double pole	IEC60269-2	6	82 g
CCR103	Y233724	3	CCR10 triple pole	IEC60269-3	4	0.12 kg

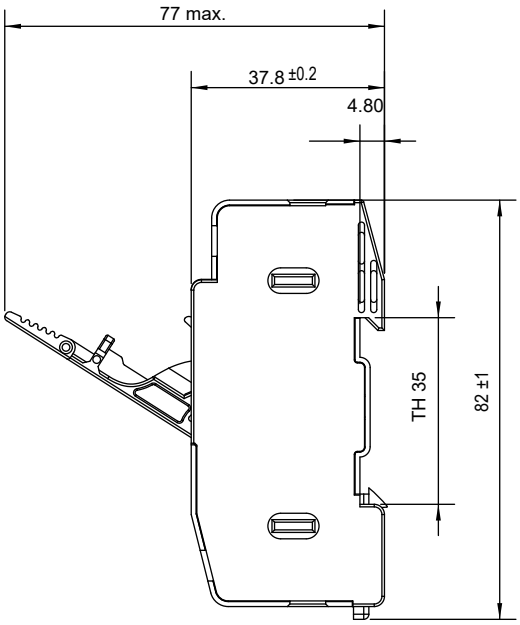
TECHNICAL DATA

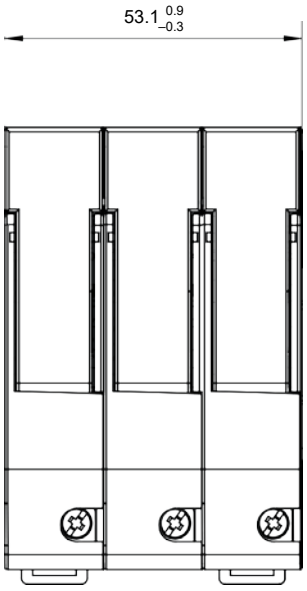
	CCR8	CCR10
Size	8x32	10x38
Number of poles/phases	1, 1+N, 2, 3	1, 1+N, 2, 3
Conventional free air thermal current with fuse links I_{th}	25 A	32 A
Utilization category to IEC/EN 60947-3 U_e = AC 400 V; I_e = 25 A U_e = AC 500 V; I_e = 32 A	 AC 20 B -	 - AC 20 B
Max. power dissipation of fuse links P_n	-	-
Power dissipation at I_{th}	2.5 W	3 W
Rated insulation voltage U_i	500 V	500 V
Rated operational voltage U_e	400 V	500 V
Rated impulse withstand voltage U_{imp}	6 kV	6 kV
Degree of protection	IP 20	IP 20
Standard cable terminal	Philips slot head screws rigid wire 1-10mm², multistranded wire 1-6mm², M = 1.5 Nm	

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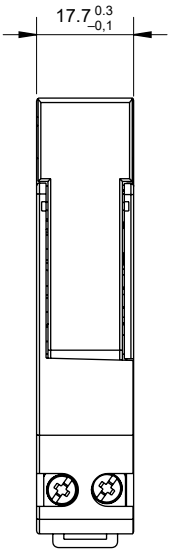
DIMENSIONS

Compact fuse-holder CCR for cylindrical fuse-links
CCR 8 for fuse-links size 8x32mm, Ø 8mm
CCR 10 for fuse-links size 10x38mm, Ø 10mm

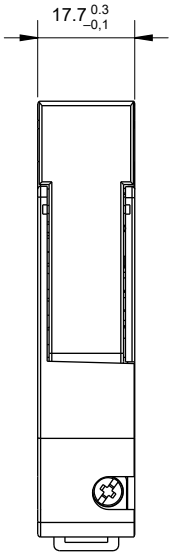




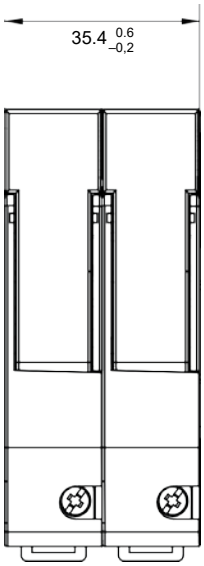
(CCR83/CCR103)



(CCR81N/CCR101N)



(CCR81/CCR101)



(CCR82/CCR102)

Dimensions in mm

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