

7.45 A 7.27 A



MCB 1P 3kA C-6A 1M

Technical characteristics

Neutral position	without neutral
Number of poles	1 P
Type of pole	1 P
Fixing mode	DIN rail type O (symmetrical)
Curve	C
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	1
Connectivity	
Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal
Main electrical features	
Rated operational voltage Ue	230 / 400 V
Type of supply voltage	AC
Voltage	
Rated insulation voltage	500 V
Max operating voltage	415 V
Rated impulse withstand voltage	4000 V
Electric current	
Rated current	6 A
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 ln
Magnetic regulating currrent	5 / 10 In
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	3 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	3 kA
Electric current / temperature	

Rating current -20°C

Rating current -15°C

Rating current 5°C 6.92 A Rating current 0°C 6.75 A Rating current 1°C 6.88 A Rating current 10°C 6.4 A Rating current 20°C 6.03 A Rating current 20°C 5.88 A Rating current 30°C 6.6 A Rating current 30°C 5.3 A Rating current 30°C 5.53 A Rating current 40°C 5.53 A Rating current 45°C 5.18 A Rating current 50°C 4.81 A Rating current 50°C 4.84 A Rating current 60°C 4.66 A Rating current 60°C 4.48 A Rating current 70°C 4.31 A Currection factor of rating current for 2 devices placed side-by-side 1 Correction factor of rating current for 3 devices placed side-by-side 0.95 Correction factor of rating current for 6 devices placed side-by-side 0.95 Correction factor of rating current for 6 devices placed side-by-side 0.95 Correction factor of rating current for 6 devices placed side-by-side 0.95 Correction factor of rating current for	Rating current -10°C	7 A
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Connection Connection cross-section at output with screw, for flexible conductor 1/25 mm² Connection cross-section at output with	Tightening torque	2,8Nm
Connection cross-section at output with screw, for flexible conductor 1 / 25 mm ² Connection cross-section at output with		Blconnect
screw, for flexible conductor 1 / 25 mm ² Connection cross-section at output with	Connection	
	·	1 / 25 mm²
		1 / 35 mm²

Connection cross-section for rigid conductor, upstream terminals with screws	1 / 35 mm²
Connection cross-section of the access with screws, with flexible conductor	1 / 25 mm²
Equipment	
Can be accessorized	No
Standards	
Standard text	IEC 60898-1
European directive WEEE	concerned
Safety	
Protection index IP	IP20
REACH conform	No
Use conditions	
Operating temperature	-2570 °C
Class of energy limitation I ² t	3
Altitude	2000 m
Storage/transport temperature	-2580 °C
temperatur	
Temperature of calibration	30 °C