



NCN401

MCB 4P 10kA C-1A 4M

Technical properties

Arc	hi	tec	tu	re
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Neutral position	without neutral
Number of protected poles	4
Number of poles	4 P
Type of pole	4 P
Curve	C
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	4
Connectivity	
Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal
Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	415 V
Type of supply voltage	AC
Voltage	
Rated insulation voltage	500 V
Max operating voltage	440 V
Rated impulse withstand voltage	6000 V
Minimum threshold voltage (Ue min)	12 V
Electric current	
Rated current	1 A
Rated service breaking capacity Ics AC according IEC 60898-1	7.5 kA
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 ln
Magnetic regulating currrent	5 / 10 In
min/maxi threshold value of the DC magnetic operation	7 / 15 ln
min/maxi threshold value of the DC thermal operation	1.13 / 1.45 ln

Rated short circuit breaking capacity kin under 400V AC according IEC60898-1 10 kM Rated ultimate short-circuit breaking capacity kiu under 230V AC IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity kiu under 230V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity kiu under 400V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity kiu under 415V AC IEC 60947-2 15 kA Rated short circuit breaking capacity kiu under 415V AC IEC 60947-2 10 kA Rated short circuit breaking capacity kiu under 240V AC according IEC 60989-1 10 kA Rated short circuit breaking capacity kiu under 220V AC IEC 60989-2 30 kA Rated ultimate short-circuit breaking capacity kiu under 220V AC IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity kiu under 230V AC IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity kiu under 360V AC IEC 60947-2 15 kA Electric current / temperature 2 Rating current 25°C 1.41 A Rating current 25°C 1.41 A Rating current 30°C 1.2 kA Rating current 5°C 1.2 kA Rating current 5°C 0.2 kA Rating current 5°C 0.5 kA	Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA
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1.1 Correction factor of magnetic tripping with	9	0.85
		1.1
		1.2

Correction factor of magnetic tripping with 400 Hz	1.5
Correction factor of magnetic tripping with	1.1
00 HZ	1.3
Dimensions	
Depth of installed product	70 mn
Height of installed product	83 mn
Width of installed product	70 mn
Frequency	
Frequency	50 to 60 H:
Power	
Maximum power loss per pole according to the product standard	3 V
Total power loss under IN	4.24 V
Power loss per pole at In	1.07 V
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	2000
Installation, mounting	
Type of top connection for modular devices	with screv
Tightening torque	2,8Nn
Type of top rail clip for modular devices	N/
Type of bottom rail clip for modular devices	plasti
Type of Bottom Connection for modular devices	Blconnec
Top removability for modular devices	Ye
Bottom removability for modular devices	Ye
Suitable for flush-mounting	Ye
Connection	
Connection cross-section at output with screw, for flexible conductor	1 / 25 mm
Connection cross-section at output with screw, for massive conductor	1 / 35 mm
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 35 mm
Connection cross-section of the access with screws, with flexible conductor	1 / 25 mm
Downstream cage clamp delivery status	close
Upstream cage clamp delivery status	opene
Equipment	
Can be accessorized	Ye
Standards	
Standard text	EN 60898-
European directive WEEE	concerned

Safety	
Protection index IP	IP20
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