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NC300A

MCB 3P 10kA C-0.5A 3M

Technical characteristics

Type of pole 3 Curve Functions Concurrently switching N-neutral for configuration Number of modules Connectivity Top connection alignement for modular devices Aligned termin Bottom connection alignement for modular devices Aligned termin Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 10 I Rated operational voltage Ue 230 / 400 Frequency 50/60 I Voltage Rated insulation voltage 0 Electric current 0 Rated insulation voltage 10 Electric current 0.5 Rated service breaking capacity Ics AC according 12.5 10 min/maxi threshold value of the AC thermal 0.5 10 min/maxi threshold value of the AC thermal 0.5 10 min/maxi threshold value of the DC thermal 0.13 / 1.45 Breaking capacity on 1 pole for IT 400V NF	Number of protected poles	:
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Rated current 0.5 Rated service breaking capacity Ics AC 7.5 H according IEC 60898-1 7.5 H min/maxi threshold value of the AC thermal operation 1.13 / 1.45 Magnetic regulating currrent 5 / 10 min/maxi threshold value of the DC magnetic operation 7 / 15 min/maxi threshold value of the DC magnetic operation 7 / 15 Min/maxi threshold value of the DC thermal operation 1.13 / 1.45 Breaking capacity on 1 pole for IT 400V NF 3 H 60947-2 3 H	Rated impulse withstand voltage	4000
Rated service breaking capacity Ics AC according IEC 60898-1 7.5 F min/maxi threshold value of the AC thermal operation 1.13 / 1.45 Magnetic regulating currrent 5 / 10 min/maxi threshold value of the DC magnetic operation 7 / 15 min/maxi threshold value of the DC thermal operation 1.13 / 1.45 Breaking capacity on 1 pole for IT 400V NF 60947-2 3 F	Electric current	
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operation 1.13 / 1.45 Magnetic regulating current 5 / 10 min/maxi threshold value of the DC 7 / 15 min/maxi threshold value of the DC thermal 1.13 / 1.45 Breaking capacity on 1 pole for IT 400V NF 3 H 60947-2 3 H	Rated service breaking capacity Ics AC according IEC 60898-1	7.5 k
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magnetic operation 7 / 15 min/maxi threshold value of the DC thermal operation 1.13 / 1.45 Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k	Magnetic regulating currrent	5 / 10
operation 1.13 / 1.45 Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k	min/maxi threshold value of the DC magnetic operation	7 / 15
60947-2 3	min/maxi threshold value of the DC thermal operation	1.13 / 1.45
	Breaking capacity on 1 pole for IT 400V NF 60947-2	3 k
	Rated short circuit breaking capacity Icn	

Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	15 kA
Electric current (terrenersture	

Electric current / temperature

Rating current -25°C	0.7 A
Rating current -20°C	0.7 A
Rating current -15°C	0.6 A
Rating current -10°C	0.6 A
Rating current -5°C	0.6 A
Rating current 0°C	0.6 A
Rating current 5°C	0.6 A
Rating current 10°C	0.6 A
Rating current 15°C	0.5 A
Rating current 20°C	0.5 A
Rating current 25°C	0.5 A
Rating current 30°C	0.5 A
Rating current 35°C	0.5 A
Rating current 40°C	0.5 A
Rating current 45°C	0.5 A
Rating current 50°C	0.5 A
Rating current 55°C	0.4 A
Rating current 60°C	0.4 A
Rating current 65°C	0.4 A
Rating current 70°C	0.4 A

Current correction factors

Correction 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 4 and 5 devices placed side-by-side	0.9
Correction factor of rating current for 6 devices placed side-by-side	0.85
Correction factor of magnetic tripping with 100 Hz	1.1
Correction factor of magnetic tripping with 200 Hz	1.2
Correction factor of magnetic tripping with 400 Hz	1.5
Correction factor of magnetic tripping with 60 Hz	1
Dimensions	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	52.5 mm
Power	
Total power loss under IN	3.4 W

Subject to technical modifications

Power loss per pole at In	1.18 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
Installation, mounting	
Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic
Type of Bottom Connection for modular devices	Blconnect
Top removability for modular devices	No
Bottom removability for modular devices	No
Connection	
Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm²
Connection cross section of access and exit with screws, for flexible conductor	1 / 25 mm²
Standards	
Standard text	EN 60898-1
Safety	
Protection index IP	IP20
REACH conform	Yes
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-2570 °C
Class of energy limitation I ² t	3
Altitude	2000 m
Storage/transport temperature	-2580 °C