

10 kA



NC410A

MCB 4P 10kA C-10A 4M

Technical characteristics

Architecture Number of protected poles	4
Number of poles	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	400 V
Type of supply voltage	AC
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V
Rated current	10 A
Rated service breaking capacity Ics AC	
according IEC 60898-1 min/maxi threshold value of the AC thermal	7.5 kA
operation	1.13 / 1.45 ln
Magnetic regulating currrent	5 / 10 In
min/maxi threshold value of the DC magnetic operation	7 / 15 In
min/maxi threshold value of the DC thermal operation	1.13 / 1.45 ln
Breaking capacity on 1 pole for IT 400V NF 60947-2	3 kA

Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1

Electric current / temperature Rating current -25°C 12° Rating current -20°C 12° Rating current -15°C 12° Rating current -15°C 12° Rating current -10°C 12° Rating current -5°C 12° Rating current 5°C 12° Rating current 5°C 12° Rating current 5°C 12° Rating current 10°C 12° Rating current 20°C 12° Rating current 20°C 12° Rating current 25°C 12° Rating current 30°C 12° Rating current 30°C 12° Rating current 40°C 13° Rating current 40°C 13° Rating current 55°C 13° Rating current 55°C 13° Rating current 50°C 13° Rating current 50°C 13° Rating current 50°C 13° Rating current 50°C 13° Rating current 65°C 13° Rating current 70°C 13° Current correction factors 13° Current of rating current for 2 devices placed side-by-side 13° Correction factor of rating current for 3° devices placed side-by-side 13° Correction factor of magnetic tripping with 100° Hz Correction factor of magnetic tripping with 100° Hz Dimensions Depth of installed product 15° Bright of installed product 15° Rating current 60° Rating current 60° Rating current for 6° Rating current 60° Rating current for 8° Rating current 60° Rating current for 9° Rating current 60° Rat	Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	15 k/
Rating current -25°C 12° Rating current -10°C 12° Rating current -10°C 12° Rating current -5°C 12° Rating current 0°C 12° Rating current 0°C 12° Rating current 10°C 12° Rating current 10°C 12° Rating current 10°C 12° Rating current 10°C 12° Rating current 20°C 12° Rating current 20°C 12° Rating current 20°C 12° Rating current 20°C 12° Rating current 30°C 12° Rating current 30°C 12° Rating current 35°C 13° Rating current 35°C 13° Rating current 40°C 15° Rating current 45°C 15° Rating current 45°C 15° Rating current 55°C 15° Rating current 55°C 15° Rating current 55°C 15° Rating current 60°C 15° Ratin	Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	15 k/
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Correction factor of magnetic tripping with 200 Hz Correction factor of magnetic tripping with 400 Hz Correction factor of magnetic tripping with 60 Hz Dimensions Depth of installed product 70 Height of installed product 83 Width of installed product 70	Correction factor of rating current for 6 devices placed side-by-side	0.8
200 Hz Correction factor of magnetic tripping with 400 Hz Correction factor of magnetic tripping with 60 Hz Dimensions Depth of installed product 70 Height of installed product 83 Width of installed product 70	Correction factor of magnetic tripping with 100 Hz	1.
A00 Hz Correction factor of magnetic tripping with 60 Hz Dimensions Depth of installed product 70 Height of installed product 83 Width of installed product 70	Correction factor of magnetic tripping with 200 Hz	1.
Dimensions Depth of installed product Height of installed product 83 Width of installed product 70	Correction factor of magnetic tripping with 400 Hz	1.
Depth of installed product 70 Height of installed product 83 Width of installed product 70	Correction factor of magnetic tripping with 60 Hz	
Height of installed product 83 Width of installed product 70	Dimensions	
Width of installed product 70	Depth of installed product	70 mr
	Height of installed product	83 mr
Frequency	Width of installed product	70 mr
	Frequency	
Frequency 50 to 6	Frequency	50 to 60 H

Power	
Total power loss under IN	7.9 W
Power loss per pole at In	1.98 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
Type of connection	with screw
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
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I²t	3
Altitude	2000 m
Air humidity protection	for all climates

-25...80 °C

Storage/transport temperature