



NCN310A



MCB 3P 10kA C-10A 3M

Technical characteristics

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Curve	C
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	3
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	
Electric current Rated current	10 A
Rated current Rated service breaking capacity Ics AC	
Rated current Rated service breaking capacity Ics AC according IEC 60898-1 min/maxi threshold value of the AC thermal	7.5 kA
Rated current Rated service breaking capacity Ics AC according IEC 60898-1 min/maxi threshold value of the AC thermal operation	7.5 kA 1.13 / 1.45 ln
	10 A 7.5 kA 1.13 / 1.45 ln 5 / 10 ln 7 / 15 ln

Rating current -10°C according to IEC 60947	13.69 A
Rating current -15°C according to IEC 60947	13.95 A
Rating current -20°C according to IEC 60947	14.21 A
Rating current -25°C according to IEC 60947	14.47 A
Rating current -5°C according to IEC 60947	13.42 A
Rating current 0°C according to IEC 60947	13.15 A
Rating current 10°C according to IEC 60947	12.58 A
Rating current 15°C according to IEC 60947	12.29 A
Rating current 20°C according to IEC 60947	11.99 A
Rating current 25°C according to IEC 60947	11.68 A
Rating current 30°C according to IEC 60947	11.36 A
Rating current 35°C according to IEC 60947	11.04 A
Rating current 40°C according to IEC 60947	10.7 A
Rating current 45°C according to IEC 60947	10.36 A
Rating current 5°C according to IEC 60947	12.87 A
Rating current 50°C according to IEC 60947	10 A
Rating current 55°C according to IEC 60947	9.43 A
Rating current 60°C according to IEC 60947	8.83 A
Rating current 65°C according to IEC 60947	8.19 A
Rating current 70°C according to IEC 60947	7.49 A
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	30 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	30 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	15 kA
Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1	10 kA
Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	30 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	15 kA
Electric current / temperature	
Rating current -25°C	12.73 A
Rating current -20°C	12.51 A
Rating current -15°C	12.28 A
Rating current -10°C	12.05 A
Rating current -5°C	11.81 A
Rating current 0°C	11.57 A
Rating current 5°C	11.32 A

11.07 A
10.28 A
10 A
9.61 A
9.21 A
8.78 A
8.33 A
7.86 A
7.36 A
6.82 A
6.24 A

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	1.1
Dimensions	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	52.5 mm
Frequency	
Frequency	50 to 60 Hz
Power	
Maximum power loss per pole according to the product standard	3 W
Total power loss under IN	6.13 W
Power loss per pole at In	2.06 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

plastic

Type of bottom rail clip for modular devices

Subject to technical modifications

Blco	ype of Bottom Connection for modular levices
	op removability for modular devices
	Bottom removability for modular devices
	uitable for flush-mounting
	Connection
1 / 25	Connection cross-section at output with crew, for flexible conductor
1 / 35	Connection cross-section at output with crew, for massive conductor
1 / 35	Connection cross-section for rigid onductor, upstream terminals with screws
1 / 25	Connection cross-section of the access with crews, with flexible conductor
op	Downstream cage clamp delivery status
ot	Downstream cage clamp delivery status Jpstream cage clamp delivery status
	Jpstream cage clamp delivery status
	Jpstream cage clamp delivery status
	Jpstream cage clamp delivery status
ot	Jpstream cage clamp delivery status Guipment Can be accessorized Gtandards
ot	Jpstream cage clamp delivery status
or EN 60898-1 ; AS/NZS 608	Jpstream cage clamp delivery status
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Temperature of calibration

30 °C