



NRN110

MCB 1P 25kA C-10A 1M

Technical characteristics

Arc	-hi	+~	ct.	IFO

Neutral position	without neutral
Number of protected poles	1
Number of poles	1 P
Type of pole	1 P
Fixing mode	Din-Rail
Curve	С
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	240 / 415 V
Type of supply voltage	AC
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V
Minimum threshold voltage (Ue min)	12 V
Electric current	
Rated current	10 A
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 In
Magnetic regulating currrent	5 / 10 In
min/maxi threshold value of the DC magnetic operation	5 / 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

Subject to technical modifications

Rating current -15°C 12.39, Rating current -0°C 11.65, Rating current 0°C 11.65, Rating current 0°C 11.65, Rating current 0°C 11.65, Rating current 0°C 11.39, Rating current 10°C 11.13, Rating current 10°C 11.13, Rating current 10°C 11.13, Rating current 10°C 11.08, Rating current 20°C 10.86, Rating current 20°C 10.86, Rating current 30°C 10.89, Rating current 30°C 10.99, Rating current 30°C 10.99, Rating current 30°C 10.99, Rating current 40°C 9.39, Rating current 40°C 9.39, Rating current 50°C 8.73, Rating current 50°C 8.73, Rating current 50°C 8.73, Rating current 50°C 8.82, Rating current 50°C 8.82, Rating current 60°C 8.02, Rating current 60°C 8.02, Rating current 60°C 7.24, Current correction factors Current or of rating current for 2 devices placed side-by-side 0.99, Correction factor of rating current for 3 devices placed side-by-side 0.99, Correction factor of rating current for 6 devices placed side-by-side 0.80, Correction factor of magnetic tripping with 10.0 Hz 1. Correctio	Rating current -25°C	12.86 /
Rating current -10°C	Rating current -20°C	12.63 /
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Frequency Frequency 50 to 60 H Power Total power loss under IN 1.87 V	Height of installed product	83 mn
Frequency 50 to 60 H Power Total power loss under IN 1.87 V	Width of installed product	17.5 mn
Power Total power loss under IN 1.87 V	Frequency	
Total power loss under IN 1.87 V	Frequency	50 to 60 H
Power loss per pelo at In	Total power loss under IN	
	Power loss per pole at In	1.87 V

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	plastic
Type of Bottom Connection for modular devices	Blconnect
Top removability for modular devices	Yes
Bottom removability for modular devices	Yes
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
Equipment	
With transparent product label holder	Yes
Standards	
Standard text	IEC 60947-2
European directive WEEE	concerned
Safety	
Protection index IP	IP20
Use conditions	
Operating temperature	-2570 °C
Class of energy limitation I²t	3
Altitude	2000 m
Storage/transport temperature	-2580 °C