



NBN150



MCB 1P 10kA B-50A 1M

Technical properties

Arc	-hi	+~	ct.	IFO

Neutral position	without neutral
Number of protected poles	1
Number of poles	1 P
Type of pole	1 P
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 short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	230 / 400 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	50 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	3 / 5 In
min/maxi threshold value of the DC magnetic operation	4 / 7 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

Electric current / temperature	Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA
Rating current -25°C		10 kA
Rating current -20°C 62.6 Rating current -15°C 62.6 Rating current -10°C 61.3 Rating current -5°C 60.1 Rating current 0°C 58.9 Rating current 0°C 58.9 Rating current 10°C 57.6 Rating current 10°C 55.4 Rating current 10°C 55.4 Rating current 20°C 54.0 Rating current 25°C 52.8 Rating current 35°C 52.8 Rating current 35°C 49.3 Rating current 35°C 49.3 Rating current 45°C 46.7 Rating current 45°C 46.7 Rating current 55°C 46.7 Rating current 55°C 46.7 Rating current 55°C 42.7 Rating current 55°C 42.7 Rating current 55°C 42.7 Rating current 60°C 40.3 Rating current 60°C 40.3 Rating current 70°C 34.4 Current correction factors Correction factor of rating current for 2 devices placed side-by-side 0.0 Correction factor of rating current for 3 devices placed side-by-side 0.0 Correction factor of rating current for 6 devices placed side-by-side 0.0 Correction factor of magnetic tripping with 100 hz Correction factor of magnetic tripping with 200 hz Correction factor of magnetic tripping with 400 hz Correction factor of magnetic tripping with 60 Hz 50 magnetic tripping with 60 Hz 60 magnetic tripping with 60 magnetic final	Electric current / temperature	
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Height of installed product 83 n Width of installed product 17.5 n Frequency	Dimensions	
Width of installed product 17.5 n	Depth of installed product	70 mr
Frequency	Height of installed product	83 mn
	Width of installed product	17.5 mn
Frequency 50 to 60	Frequency	
Trequency 50 to 50	Frequency	50 to 60 H.

Power	
Total power loss under IN	4.7 W
Power loss per pole at In	4.7 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	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
Standards	
Standard text	EN 60898-1
European directive WEEE	concerned
Safety	
Protection index IP	IP20
Use conditions	
Operating temperature	-2570 °C
Class of energy limitation I²t	3
Altitude	2000 m

-25...80 °C

Storage/transport temperature