## Product Datasheet NCN103A





NCN103A

## MCB 1P 10kA/15kA C-3A 1M

## **Technical Features**

reclinical reatures	
Electric current	
Rated current	3 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity lcu under 230 V AC IEC 60947-2	15 kA
Rated current -25°C	3.76 A
Rated current at -20°C	3.69 A
Rated current -15°C	3.63 A
Rated current -10°C	3.57 A
Rated current -5°C	3.50 A
Rated current at 0°C	3.44 A
Rated current 5°C	3.38 A
Rated current 10°C	3.32 A
Rated current 15°C	3.26 A
Rated current at 20°C	3.21 A
Rated current 25°C	3.15 A
Rated current 30°C	3 A
Rated current 35°C	2.97 A
Rated current at 40°C	2.93 A
Rated current at 45°C	2.91 A
Rated current at 50°C	2.87 A
Rated current 55°C	2.86 A
Rated current 60°C	2.85 A
Rated current 65°C	2.84 A
Rated current 70°C	2.83 A
Architecture	
Type of pole	1P
Curve	С
Capacity	
Number of modules	1
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	10 kA
Installation, mounting	
Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm
Voltage	
Rated operational voltage Ue	230 - 400 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6000 V
Frequency	
Frequency	50 - 60 Hz
Connection	4 05 2
Cross-section of input and output with screws, for massive conductors	1 - 35 mm²
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm²
Cross-section of input with screws, for flexible conductors	1 - 25 mm²
Cross-section of input with screws, for massive conductors	1 - 35 mm²
Installation, mounting	
Nominal tightening torque	2.80 - 2.80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

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Power Total power loss under IN  Endurance  Electric endurance in number of cycles  Number of mechanical operations  Connectivity  Type of connection  Screw te Top connection alignment for modular devices  Down connection alignment for modular devices  Dimensions  Height  Width  17.5	Safety	
Degree of pollution according to IEC 60664 / IEC 60947-2  Class of energy limitation I²t  Operating temperature -25 -  Power  Total power loss under IN 2  Endurance  Electric endurance in number of cycles  Number of mechanical operations 2  Connectivity  Type of connection Screw te Top connection alignment for modular devices Aligned te Down connection alignment for modular devices Aligned te Dimensions  Height 8  Width 17.5  Depth 7  Sustainability	Ingress Protection (IP) class	IP20
Class of energy limitation I2t Operating temperature -25 -  Power  Total power loss under IN 2  Endurance  Electric endurance in number of cycles Number of mechanical operations 2  Connectivity  Type of connection Screw te Top connection alignment for modular devices Aligned te Down connection alignment for modular devices Aligned te  Dimensions  Height 8  Width 17.5  Sustainability	Use conditions	
Operating temperature -25 -  Power  Total power loss under IN 2  Endurance  Electric endurance in number of cycles  Number of mechanical operations 2  Connectivity  Type of connection Screw te Top connection alignment for modular devices Aligned te Down connection alignment for modular devices Aligned te Dimensions  Height 8  Width 17.5  Sustainability	Degree of pollution according to IEC 60664 / IEC 60947-2	2
Power  Total power loss under IN  Endurance  Electric endurance in number of cycles  Number of mechanical operations  Connectivity  Type of connection  Top connection alignment for modular devices  Down connection alignment for modular devices  Aligned te  Dimensions  Height  Width  17.5  Sustainability	Class of energy limitation I <sup>2</sup> t	3
Total power loss under IN 2  Endurance  Electric endurance in number of cycles  Number of mechanical operations 2  Connectivity  Type of connection Screw te Top connection alignment for modular devices Aligned te Down connection alignment for modular devices Aligned te Dimensions  Height 8  Width 17.5  Depth 7	Operating temperature	-25 - 70 °C
Endurance Electric endurance in number of cycles Number of mechanical operations  Connectivity Type of connection Top connection alignment for modular devices Down connection alignment for modular devices Aligned te Dimensions Height Width 17.5 Depth Sustainability	Power	
Electric endurance in number of cycles  Number of mechanical operations  Connectivity  Type of connection Screw te Top connection alignment for modular devices Aligned te Down connection alignment for modular devices Aligned te  Dimensions  Height 8  Width 17.5  Depth 7	Total power loss under IN	2.24 W
Number of mechanical operations  Connectivity Type of connection Screw te Top connection alignment for modular devices Aligned te Down connection alignment for modular devices Aligned te Dimensions Height Sudden Screw te Sudden Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned te Screw te Top connection alignment for modular devices Aligned t	Endurance	
Connectivity Type of connection Screw te Top connection alignment for modular devices Aligned te Down connection alignment for modular devices Aligned te  Dimensions Height 8 Width 17.5 Depth 7	Electric endurance in number of cycles	4000
Type of connection Screw to Top connection alignment for modular devices Aligned to Down connection alignment for modular devices Aligned to Dimensions  Height 8 Width 17.5 Depth 7	Number of mechanical operations	20000
Top connection alignment for modular devices  Down connection alignment for modular devices  Aligned te  Dimensions  Height  Width  Depth  Sustainability	Connectivity	
Down connection alignment for modular devices  Aligned te  Dimensions  Height  Width  17.5  Depth  Sustainability	Type of connection	Screw terminal
Dimensions Height 8 Width 17.5 Depth 7	Top connection alignment for modular devices	Aligned terminal
Height 8 Width 17.5 Depth 7	Down connection alignment for modular devices	Aligned terminal
Width 17.5 Depth 7 Sustainability	Dimensions	
Depth 7 Sustainability	Height	83 mm
Sustainability	Width	17.50 mm
	Depth	70 mm
RoHS conform	Sustainability	
	RoHS conform	Yes