



NDN103A

**MCB 1P 10kA/15kA D-3A 1M**

**Technical properties**

**Electric current**

Rated current	3 A
Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity $I_{cu}$ 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	D

**Capacity**

Number of modules	1
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**Main electrical attributes**

Rated short-circuit breaking capacity $I_{cn}$ AC according to IEC 60898-1	10 kA
Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

<b>Voltage</b>	
Rated operational voltage Ue	230 - 400 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6,000 V
<b>Frequency</b>	
Frequency	50 - 60 Hz
<b>Connection</b>	
Cross-section of input and output with screws, for massive conductors	1 - 35 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 35 mm <sup>2</sup>
<b>Installation, mounting</b>	
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
<b>Safety</b>	
Ingress Protection (IP) class	IP20
<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25 - 70 °C
<b>Power</b>	
Total power loss under IN	2.24 W
<b>Endurance</b>	
Electric endurance in number of cycles	4,000
Number of mechanical operations	20,000
<b>Connectivity</b>	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
<b>Dimensions</b>	
Height	83 mm
Width	17.50 mm
Depth	70 mm