



NDN104A

### MCB 1P 10kA/15kA D-4A 1M

#### Technical Features

##### Electric current

Rated current	4 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	15 kA
Rated current -25°C	5.18 A
Rated current at -20°C	5.09 A
Rated current -15°C	4.99 A
Rated current -10°C	4.89 A
Rated current -5°C	4.79 A
Rated current at 0°C	4.68 A
Rated current 5°C	4.58 A
Rated current 10°C	4.47 A
Rated current 15°C	4.35 A
Rated current at 20°C	4.24 A
Rated current 25°C	4.12 A
Rated current 30°C	4 A
Rated current 35°C	3.87 A
Rated current at 40°C	3.74 A
Rated current at 45°C	3.61 A
Rated current at 50°C	3.47 A
Rated current 55°C	3.33 A
Rated current 60°C	3.17 A
Rated current 65°C	3.01 A
Rated current 70°C	2.85 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 Icn AC according to IEC 60898-1	10 kA
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##### 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
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##### Connection

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

# Product Datasheet

## NDN104A

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<b>Safety</b>	
Ingress Protection (IP) class	IP20
Grid distance	60 mm
<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	2.62 W
<b>Endurance</b>	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
<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
<b>Sustainability</b>	
RoHS conform	Yes