



NBN116A

## MCB 1P 10kA/15kA B-16A 1M

### Technical characteristics

#### Electric current

Rated current	16 A
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	7.50 kA
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	20.49 A
Rated current at -20°C	20.12 A
Rated current -15°C	19.75 A
Rated current -10°C	19.37 A
Rated current -5°C	18.98 A
Rated current at 0°C	18.58 A
Rated current 5°C	18.18 A
Rated current 10°C	17.76 A
Rated current 15°C	17.34 A
Rated current at 20°C	16.90 A
Rated current 25°C	16.46 A
Rated current 30°C	16 A
Rated current 35°C	15.53 A
Rated current at 40°C	15.04 A
Rated current at 45°C	14.54 A
Rated current at 50°C	14.02 A
Rated current 55°C	13.48 A
Rated current 60°C	12.91 A
Rated current 65°C	12.32 A
Rated current 70°C	11.70 A

#### Architecture

Type of pole	1P
Curve	B

#### 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
Nominal tightening torque top terminal	2.80 - 2.80 Nm

Nominal tightening torque down terminal	2.80 - 2.80 Nm
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### Voltage

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

### Frequency

Frequency	50 - 60 Hz
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### Connection

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>

### 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

### Safety

Ingress Protection (IP) class	IP20
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### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 70 °C

### Power

Total power loss under IN	2.62 W
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### Endurance

Electric endurance in number of cycles	4,000
Number of mechanical operations	20,000

### Connectivity

Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

### Dimensions

Height	83 mm
Width	17.50 mm

Subject to technical modifications

