



NBN120

**MCB 1P 10kA/15kA B-20A 1M**

**Technical Features**

**Electric current**

Rated current	20 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	25.08 A
Rated current at -20°C	24.66 A
Rated current -15°C	24.24 A
Rated current -10°C	23.80 A
Rated current -5°C	23.36 A
Rated current at 0°C	22.91 A
Rated current 5°C	22.45 A
Rated current 10°C	21.98 A
Rated current 15°C	21.51 A
Rated current at 20°C	21.02 A
Rated current 25°C	20.51 A
Rated current 30°C	20 A
Rated current 35°C	19.47 A
Rated current at 40°C	18.93 A
Rated current at 45°C	18.37 A
Rated current at 50°C	17.80 A
Rated current 55°C	17.20 A
Rated current 60°C	16.58 A
Rated current 65°C	15.94 A
Rated current 70°C	15.28 A

**Architecture**

Type of pole	1P
Curve	B

**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**

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

**Installation, mounting**

360° mounting position possible Yes

**Safety**

Ingress Protection (IP) class IP20  
Grid distance 60 mm

**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 2.56 W

**Endurance**

Electric endurance in number of cycles 4000  
Number of mechanical operations 20000

**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  
Depth 70 mm

**Illustrations | Drawings**

