



NBN140A

## MCB 1P 10kA/15kA B-40A 1M

### Technical characteristics

#### Electric current

Rated current	40 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	60.16 A
Rated current at -20°C	58.43 A
Rated current -15°C	56.70 A
Rated current -10°C	55.35 A
Rated current -5°C	53.24 A
Rated current at 0°C	51.51 A
Rated current 5°C	49.78 A
Rated current 10°C	48.06 A
Rated current 15°C	46.33 A
Rated current at 20°C	44.60 A
Rated current 25°C	42.87 A
Rated current 30°C	40 A
Rated current 35°C	39.41 A
Rated current at 40°C	37.69 A
Rated current at 45°C	35.96 A
Rated current at 50°C	34.99 A
Rated current 55°C	32.50 A
Rated current 60°C	30.77 A
Rated current 65°C	29.04 A
Rated current 70°C	27.31 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
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	6,000 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
360° mounting position possible	Yes

### Safety

Ingress Protection (IP) class	IP20
-------------------------------	------

### 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	3.71 W
---------------------------	--------

### 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

