



NBN220A

**MCB 2P 10kA/15kA B-20A 2M**

**Technical Features**

**Electric current**

Rated current	20 A
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	30 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	2P
Curve	B

**Capacity**

Number of modules	2
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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	400 - 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 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

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**Safety**

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

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

Total power loss under IN	5.29 W
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**Endurance**

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

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

Height	83 mm
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Width	35 mm
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Depth	70 mm
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**Sustainability**

RoHS conform	Yes
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