



NBN163A

**MCB 1P 10kA/15kA B-63A 1M**

**Technical Features**

**Electric current**

Rated current	63 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	81.04 A
Rated current at -20°C	79.57 A
Rated current -15°C	78.07 A
Rated current -10°C	76.54 A
Rated current -5°C	75.05 A
Rated current at 0°C	73.54 A
Rated current 5°C	72.03 A
Rated current 10°C	70.52 A
Rated current 15°C	69 A
Rated current at 20°C	67.47 A
Rated current 25°C	65.95 A
Rated current 30°C	63 A
Rated current 35°C	62.03 A
Rated current at 40°C	60.50 A
Rated current at 45°C	58.68 A
Rated current at 50°C	58.27 A
Rated current 55°C	52.80 A
Rated current 60°C	50.51 A
Rated current 65°C	48.12 A
Rated current 70°C	45.60 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
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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 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

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**Installation, mounting**

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360° mounting position possible	Yes
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**Safety**

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

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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**

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Total power loss under IN	5.73 W
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**Endurance**

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

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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**

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Height	83 mm
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Width	17.50 mm
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Depth	70 mm
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**Sustainability**

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RoHS conform	Yes
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