





MCB 3P 15kA B-100A 4.5M

Technical properties

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Type of pole	3P
Curve	В

Voltage

Rated operational voltage Ue	415 - 415 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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Installation, mounting

Nominal tightening torque	3.5 - 5.0 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular	
devices	Screw terminal

Electric current

Rated current	100 A
Rated service breaking capacity Ics AC according to IEC 60898-1	7.50 kA
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	15 kA
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	15 kA
Rated current at 0°C	124 A
Rated current 5°C	120 A
Rated current 10°C	116 A
Rated current 15°C	112 A
Rated current at 20°C	108 A
Rated current 25°C	104 A
Rated current 30°C	100 A
Rated current 35°C	96.60 A
Rated current at 40°C	93.10 A
Rated current at 45°C	89.40 A
Rated current at 50°C	85.60 A
Rated current 55°C	81.60 A

Rated current 60°C 77.50 A Main electrical attributes Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 15 kA Nominal tightening torque down terminal 3.60 - 3.60 Nm Nominal tightening torque top terminal 3.60 - 3.60 Nm Power Total power loss under IN 21.66 W **Endurance** Electric endurance in number of cycles 4,000 20,000 Number of mechanical operations Connection Cross-section of input and output with 1 - 70 mm² screws, for massive conductors Cross-section of input and output with screws, for flexible conductors 1 - 50 mm² **Use conditions** Degree of pollution according to IEC 60664 / IEC 60947-2 3 Air humidity protection For all climates Capacity Number of modules 4.50 Connectivity Top connection alignment for modular Aligned terminal devices Down connection alignment for modular devices Aligned terminal **Dimensions** Height 90 mm Width 80 mm

70 mm

Depth