



MT110A

MCB 1P 6kA B-10A 1M

Technical Features

Architecture

Curve	B
Type of pole	1P

Capacity

Number of modules	1
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Connection

Cross-section flexible conductor	1 - 25 mm ²
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm ²
Cross-section of input and output with screws, for massive conductors	1 - 35 mm ²
Cross-section of input with screws, for flexible conductors	1 - 25 mm ²
Cross-section of input with screws, for massive conductors	1 - 35 mm ²
Cross-section rigid conductor	1 - 35 mm ²

Connectivity

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

Dimensions

Depth	70 mm
Height	83 mm
Width	17.50 mm

Electric current

Rated current	10 A
Rated current 10°C	11.30 A
Rated current -10°C	12.47 A
Rated current 15°C	10.99 A
Rated current -15°C	12.74 A
Rated current 25°C	10.34 A
Rated current 30°C	10 A
Rated current 35°C	9.65 A
Rated current 5°C	11.60 A
Rated current -5°C	12.19 A
Rated current 55°C	8.08 A
Rated current 60°C	7.64 A
Rated current 65°C	7.18 A
Rated current 70°C	6.68 A
Rated current at 0°C	11.90 A
Rated current at 20°C	10.67 A
Rated current at 40°C	9.28 A
Rated current at 45°C	8.90 A
Rated current at 50°C	8.50 A
Rated short-circuit breaking capacity I _{cn} under 230 V AC according to IEC 60898-1	6 kA

Frequency

Frequency	50 - 60 Hz
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Installation, mounting

360° mounting position possible	Yes
Nominal tightening torque	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm
Nominal tightening torque top terminal	2.80 - 2.80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	6 kA
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Power

Total power loss under I _N	2.75 W
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Safety

Ingress Protection (IP) class	IP20
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Use conditions

Air humidity protection	For all climates
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Class of energy limitation I ² t	3
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Degree of pollution according to IEC 60664 / IEC 60947-2	2
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Operating temperature	-25 - 70 °C
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Voltage

Rated impulse withstand voltage U _{imp}	4000 V
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Rated insulation voltage U _i	500 V
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Rated operational voltage U _e	230 - 400 V
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Type voltage supply	AC
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Sustainability

RoHS conform	Yes
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