



ARC506U

MCB with dangerous arc detection 1P+N 10kA B-6A 2M

Technical characteristics

Electric current

Rated current	6 A
Rated current -25°C	7.23 A
Rated current at -20°C	7.13 A
Rated current -15°C	7.03 A
Rated current -10°C	6.92 A
Rated current -5°C	6.81 A
Rated current at 0°C	6.70 A
Rated current 5°C	6.59 A
Rated current 10°C	6.48 A
Rated current 15°C	6.36 A
Rated current at 20°C	6.24 A
Rated current 25°C	6.12 A
Rated current 30°C	6 A
Rated current 35°C	5.90 A
Rated current at 40°C	5.80 A
Rated current at 45°C	5.70 A
Rated current at 50°C	5.60 A
Rated current 55°C	5.49 A
Rated current 60°C	5.38 A

Architecture

Curve	B
Type of pole	1P+N

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	10 kA
Nominal tightening torque top terminal	2 - 2 Nm
Nominal tightening torque down terminal	2 - 2 Nm

Voltage

Rated insulation voltage U _i	500 V
Rated impulse withstand voltage U _{imp}	4,000 V

Power

Total power loss under I _N	2.16 W
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Use conditions

Class of energy limitation I ² t	3
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Operating temperature	-25 - 60 °C
Storage/transport temperature	-40 - 70 °C
Endurance	
Number of mechanical operations	4,000
Electric endurance in number of cycles	2,000
Installation, mounting	
Nominal tightening torque	2 - 2 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
Capacity	
Number of modules	2
Dimensions	
Height	85 mm
Width	35.50 mm
Depth	70 mm