



ARC510U

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

Technical Features

Electric current

Rated current	10 A
Rated current -25°C	12.02 A
Rated current at -20°C	11.85 A
Rated current -15°C	11.68 A
Rated current -10°C	11.50 A
Rated current -5°C	11.33 A
Rated current at 0°C	11.15 A
Rated current 5°C	10.97 A
Rated current 10°C	10.78 A
Rated current 15°C	10.59 A
Rated current at 20°C	10.40 A
Rated current 25°C	10.20 A
Rated current 30°C	10 A
Rated current 35°C	9.86 A
Rated current at 40°C	9.71 A
Rated current at 45°C	9.56 A
Rated current at 50°C	9.41 A
Rated current 55°C	9.26 A
Rated current 60°C	9.10 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
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Installation, mounting

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}	4000 V
Rated operational voltage U _e	230 - 230 V

Power

Total power loss under I _N	2.65 W
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Use conditions

Class of energy limitation I ² t	3
Operating temperature	-25 - 60 °C
Storage/transport temperature	-40 - 70 °C

Endurance

Number of mechanical operations	4000
Electric endurance in number of cycles	2000

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
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Product Datasheet

ARC510U

Dimensions		
Height		85 mm
Width		35.50 mm
Depth		70 mm
Frequency		
Frequency		50 - 50 Hz
Sustainability		
RoHS conform		Yes