



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 <sub>cn</sub> 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 <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Rated operational voltage U <sub>e</sub>	230 - 230 V

**Power**

Total power loss under I <sub>N</sub>	2.65 W
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**Use conditions**

Class of energy limitation I <sup>2</sup> 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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**Dimensions**

Height	85 mm
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**Dimensions**

Width	35.50 mm
Depth	70 mm

**Frequency**

Frequency	50 - 50 Hz
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**Sustainability**

RoHS conform	Yes
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