



ARC506U

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

**Technical Features**

**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 <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>	2.16 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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