



ARC520U

**MCB with dangerous arc detection 1P+N 10kA B-20A 2M**

**Technical Features**

**Electric current**

Rated current	20 A
Rated current -25°C	22.69 A
Rated current at -20°C	22.46 A
Rated current -15°C	22.23 A
Rated current -10°C	21.99 A
Rated current -5°C	21.75 A
Rated current at 0°C	21.51 A
Rated current 5°C	21.27 A
Rated current 10°C	21.02 A
Rated current 15°C	20.77 A
Rated current at 20°C	20.52 A
Rated current 25°C	20.26 A
Rated current 30°C	20 A
Rated current 35°C	19.80 A
Rated current at 40°C	19.60 A
Rated current at 45°C	19.39 A
Rated current at 50°C	19.18 A
Rated current 55°C	18.98 A
Rated current 60°C	18.76 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 60898-1	10 kA

**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>	5.20 W
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**Use conditions**

Class of energy limitation I <sup>2</sup> t	3
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**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
Width	35.50 mm

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**Dimensions**

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Depth	70 mm
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**Frequency**

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Frequency	50 - 50 Hz
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**Use conditions**

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Operating temperature	-25 - 60 °C
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Storage/transport temperature	-40 - 70 °C
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**Connection**

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Cross-section of output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
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Cross-section of output with screws, for massive conductors	1.5 - 25.0 mm <sup>2</sup>
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Cross-section of input with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
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Cross-section of input with screws, for massive conductors	1.5 - 25.0 mm <sup>2</sup>
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**Sustainability**

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RoHS conform	Yes
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