



ARC525U

## MCB with dangerous arc detection 1P+N 10kA B-25A 2M

### Technical characteristics

#### Electric current

Rated current	25 A
Rated current -25°C	28.19 A
Rated current at -20°C	27.91 A
Rated current -15°C	27.64 A
Rated current -10°C	27.36 A
Rated current -5°C	27.07 A
Rated current at 0°C	26.79 A
Rated current 5°C	26.50 A
Rated current 10°C	26.21 A
Rated current 15°C	25.91 A
Rated current at 20°C	25.61 A
Rated current 25°C	25.31 A
Rated current 30°C	25 A
Rated current 35°C	24.76 A
Rated current at 40°C	24.52 A
Rated current at 45°C	24.27 A
Rated current at 50°C	24.02 A
Rated current 55°C	23.77 A
Rated current 60°C	23.52 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
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>	4,000 V

#### Power

Total power loss under I <sub>N</sub>	6.48 W
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#### Use conditions

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