



ARF510D

**RCBO with dangerous arc detection 10A B curve 10kA Type A 30mA**

**Technical Features**

**Electric current**

Rated current	10 A
Rated current -25°C	12.78 A
Rated current at -20°C	12.55 A
Rated current -15°C	12.32 A
Rated current -10°C	12.08 A
Rated current -5°C	11.84 A
Rated current at 0°C	11.60 A
Rated current 5°C	11.35 A
Rated current 10°C	11.09 A
Rated current 15°C	10.83 A
Rated current at 20°C	10.56 A
Rated current 25°C	10.28 A
Rated current 30°C	10 A
Rated current 35°C	9.71 A
Rated current at 40°C	9.41 A
Rated current at 45°C	9.10 A
Rated current at 50°C	8.78 A
Rated current 55°C	8.44 A
Rated current 60°C	8.09 A
Rated current 65°C	7.73 A
Rated current 70°C	7.35 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 61009-1	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

**Electric current**

Breaking and opening capacity I <sub>dm</sub>	10 kA
Rated residual operating current I <sub>dn</sub>	30 mA

**Voltage**

Rated insulation voltage U <sub>i</sub>	500 V
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**Safety**

Residual current type	A
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**Voltage**

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>	3.18 W
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**Use conditions**

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

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**Endurance**

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

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**Installation, mounting**

Nominal tightening torque	2.10 - 2.10 Nm
Type of bottom connection for modular devices	Screw terminal
Type of top connection for modular devices	Screw terminal

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**Capacity**

Number of modules	3
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**Dimensions**

Height	83 mm
Width	53.20 mm
Depth	70 mm

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**Frequency**

Frequency	50 - 50 Hz
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