



ARF966D

**RCBO with dangerous arc detection 16A C curve 6kA Type A 30mA**

**Technical properties**

**Electric current**

Rated current	16 A
Rated current -25°C	19.92 A
Rated current at -20°C	19.60 A
Rated current -15°C	19.27 A
Rated current -10°C	18.93 A
Rated current -5°C	18.59 A
Rated current at 0°C	18.24 A
Rated current 5°C	17.89 A
Rated current 10°C	17.53 A
Rated current 15°C	17.16 A
Rated current at 20°C	16.78 A
Rated current 25°C	16.40 A
Rated current 30°C	16 A
Rated current 35°C	15.59 A
Rated current at 40°C	15.18 A
Rated current at 45°C	14.75 A
Rated current at 50°C	14.31 A
Rated current 55°C	13.86 A
Rated current 60°C	13.39 A
Rated current 65°C	12.90 A
Rated current 70°C	12.39 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 61009-1	6 kA
Breaking and opening capacity I <sub>dm</sub>	6 kA
Rated residual operating current I <sub>dn</sub>	30 mA

**Architecture**

Curve	C
Type of pole	1P+N

**Installation, mounting**

Nominal tightening torque down terminal	2 - 2 Nm
Nominal tightening torque	2.10 - 2.10 Nm
Type of bottom connection for modular devices	biconnect, quickbusbar
Type of top connection for modular devices	quickconnect

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
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#### Safety

Residual current type	A
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#### Voltage

Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4,000 V
Rated operational voltage U <sub>e</sub>	230 - 230 V

#### Power

Total power loss under I <sub>N</sub>	5.76 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

#### Endurance

Number of mechanical operations	4,000
Electric endurance in number of cycles	2,000

#### Capacity

Number of modules	3
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#### Dimensions

Height	83 mm
Width	53.20 mm
Depth	70 mm

#### Frequency

Frequency	50 - 50 Hz
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