



ARF956D

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

**Technical properties**

**Electric current**

Rated current	6 A
Rated current -25°C	7.86 A
Rated current at -20°C	7.71 A
Rated current -15°C	7.55 A
Rated current -10°C	7.40 A
Rated current -5°C	7.24 A
Rated current at 0°C	7.07 A
Rated current 5°C	6.91 A
Rated current 10°C	6.73 A
Rated current 15°C	6.56 A
Rated current at 20°C	6.38 A
Rated current 25°C	6.19 A
Rated current 30°C	6 A
Rated current 35°C	5.80 A
Rated current at 40°C	5.60 A
Rated current at 45°C	5.38 A
Rated current at 50°C	5.16 A
Rated current 55°C	4.93 A
Rated current 60°C	4.69 A
Rated current 65°C	4.43 A
Rated current 70°C	4.16 A
Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 61009-1	6 kA
Breaking and opening capacity $I_{dm}$	6 kA
Rated residual operating current $I_{dn}$	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
---	------

### Safety

Residual current type	A
-----------------------	---

### 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>	2.20 W
---------------------------------------	--------

### 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
-------------------	---

### Dimensions

Height	83 mm
Width	53.20 mm
Depth	70 mm

### Frequency

Frequency	50 - 50 Hz
-----------	------------