



ARF975D

**RCBO with dangerous arc detection 25A C curve 6kA Type A 30mA**

**Technical Features**

**Electric current**

Rated current	25 A
Rated current -25°C	31.88 A
Rated current at -20°C	31.28 A
Rated current -15°C	30.68 A
Rated current -10°C	30.15 A
Rated current -5°C	29.47 A
Rated current at 0°C	28.86 A
Rated current 5°C	28.26 A
Rated current 10°C	27.66 A
Rated current 15°C	27.05 A
Rated current at 20°C	26.45 A
Rated current 25°C	25.84 A
Rated current 30°C	25 A
Rated current 35°C	24.64 A
Rated current at 40°C	24.03 A
Rated current at 45°C	23.43 A
Rated current at 50°C	22.98 A
Rated current 55°C	22.22 A
Rated current 60°C	21.62 A
Rated current 65°C	21.01 A
Rated current 70°C	20.41 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 61009-1	6 kA

**Architecture**

Curve	C
Type of pole	1P+N

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 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>	6 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>	7.95 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	4000
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**Endurance**

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Electric endurance in number of cycles 2000

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**Installation, mounting**

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Nominal tightening torque 2.10 - 2.10 Nm

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**Capacity**

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Number of modules 3

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**Installation, mounting**

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Type of bottom connection for modular devices Screw terminal

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Type of top connection for modular devices Screw terminal

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**Dimensions**

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Height 83 mm

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Width 53.20 mm

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Depth 70 mm

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**Frequency**

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Frequency 50 - 50 Hz

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**Sustainability**

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RoHS conform Yes

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