



ARF975D

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

Technical Features

Architecture

Curve	C
Type of pole	1P+N

Capacity

Number of modules	3
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Dimensions

Depth	70 mm
Height	83 mm
Width	53.20 mm

Electric current

Breaking and opening capacity I_{dm}	6 kA
Rated current	25 A
Rated current 10°C	27.66 A
Rated current -10°C	30.15 A
Rated current 15°C	27.05 A
Rated current -15°C	30.68 A
Rated current 25°C	25.84 A
Rated current -25°C	31.88 A
Rated current 30°C	25 A
Rated current 35°C	24.64 A
Rated current 5°C	28.26 A
Rated current -5°C	29.47 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 current at 0°C	28.86 A
Rated current at 20°C	26.45 A
Rated current at -20°C	31.28 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 residual operating current I_{dn}	30 mA
Rated short-circuit breaking capacity I_{cn} under 230 V AC according to IEC 61009-1	6 kA

Endurance

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

Frequency

Frequency	50 - 50 Hz
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Installation, mounting

Nominal tightening torque	2.10 - 2.10 Nm
Nominal tightening torque down terminal	2 - 2 Nm
Nominal tightening torque top terminal	2 - 2 Nm
Type of bottom connection for modular devices	Screw terminal
Type of top connection for modular devices	Screw terminal

Main electrical attributes

Rated short-circuit breaking capacity I_{cn} AC according to IEC 60898-1	6 kA
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Power

Total power loss under I_N	7.95 W
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Safety	
Residual current type	A
Use conditions	
Class of energy limitation I ² t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C
Voltage	
Rated impulse withstand voltage U _{imp}	4000 V
Rated insulation voltage U _i	500 V
Rated operational voltage U _e	230 - 230 V
Sustainability	
RoHS conform	Yes