



ARR966U

RCBO with dangerous arc detection 1M 16A C curve 6kA Type A 30mA

Technical characteristics

Electric current

Rated current	16 A
Rated current -25°C	20.5 A
Rated current at -20°C	20.1 A
Rated current -15°C	19.7 A
Rated current -10°C	19.3 A
Rated current -5°C	18.9 A
Rated current at 0°C	18.5 A
Rated current 5°C	18.1 A
Rated current 10°C	17.6 A
Rated current 15°C	17.2 A
Rated current at 20°C	16.8 A
Rated current 25°C	16.4 A
Rated current 30°C	16 A
Rated current 35°C	15.7 A
Rated current at 40°C	15.5 A
Rated current at 45°C	15.2 A
Rated current at 50°C	15 A
Rated current 55°C	14.7 A
Rated current 60°C	14.5 A
Rated current 65°C	14.2 A
Rated current 70°C	14 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}	3 kA
Rated residual operating current I_{dn}	30 mA

Architecture

Curve	C
Type of pole	1P+N

Installation, mounting

Nominal tightening torque top terminal	2.40 - 2.40 Nm
Nominal tightening torque down terminal	3.50 - 3.50 Nm
Type of bottom connection for modular devices	biconnect
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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Safety

Residual current type	A
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Voltage

Rated insulation voltage U _i	400 V
Rated impulse withstand voltage U _{imp}	4,000 V
Rated operational voltage U _e	230 - 230 V

Power

Total power loss under I _N	3.8 W
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Use conditions

Class of energy limitation I ² t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C

Endurance

Number of mechanical operations	8,000
Electric endurance in number of cycles	2,000

Capacity

Number of modules	1
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Dimensions

Height	125 mm
Width	17.50 mm
Depth	70 mm

Frequency

Frequency	50 - 50 Hz
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