



ARR970U

RCBO with dangerous arc detection 1M 20A C curve 6kA Type A 30mA

Technical characteristics

Electric current

Rated current	20 A
Rated current -25°C	25.5 A
Rated current at -20°C	25 A
Rated current -15°C	24.5 A
Rated current -10°C	24 A
Rated current -5°C	23.5 A
Rated current at 0°C	23 A
Rated current 5°C	22.5 A
Rated current 10°C	22 A
Rated current 15°C	21.5 A
Rated current at 20°C	21 A
Rated current 25°C	20.5 A
Rated current 30°C	20 A
Rated current 35°C	19.6 A
Rated current at 40°C	19.2 A
Rated current at 45°C	18.8 A
Rated current at 50°C	18.4 A
Rated current 55°C	18 A
Rated current 60°C	17.6 A
Rated current 65°C	17.2 A
Rated current 70°C	16.8 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
Safety	
Residual current type	A
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	4.9 W
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
Dimensions	
Height	125 mm
Width	17.50 mm
Depth	70 mm
Frequency	
Frequency	50 - 50 Hz