



ARL975U

RCBO with dangerous arc detection 1M 25A C curve 6kA Type A 30mA LFL 1m

Technical characteristics

Electric current

Rated current	25 A
Rated current -25°C	32.4 A
Rated current at -20°C	31.7 A
Rated current -15°C	31.1 A
Rated current -10°C	30.4 A
Rated current -5°C	29.7 A
Rated current at 0°C	29 A
Rated current 5°C	28.4 A
Rated current 10°C	27.7 A
Rated current 15°C	27 A
Rated current at 20°C	26.3 A
Rated current 25°C	25.7 A
Rated current 30°C	25 A
Rated current 35°C	24.3 A
Rated current at 40°C	23.7 A
Rated current at 45°C	23 A
Rated current at 50°C	22.3 A
Rated current 55°C	21.6 A
Rated current 60°C	21 A
Rated current 65°C	20.3 A
Rated current 70°C	19.6 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	8.3 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