Product Datasheet
ARL970U



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

Technical Features

Electric current	
Rated current IN	20 A
Rated current at -25°C	25.5 A
Rated current at -20°C	25 A
Rated current at -15°C	24.5 A
Rated current at -10°C	24 A
Rated current at -5°C	23.5 A
Rated current at 0°C	23 A
Rated current at 5°C	22.5 A
Rated current at 10°C	22 A
Rated current at 15°C	21.5 A
Rated current at 20°C	21 A
Rated current at 25°C	20.5 A
Rated current at 30°C	20 A
Rated current at 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 at 55°C	18 A
Rated current at 60°C	17.6 A
Rated current at 65°C	17.2 A
Rated current at 70°C	16.8 A
Rated short-circuit breaking capacity Icn 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 Icn AC according to IEC 60898-1	6 kA
Installation, mounting	
Nominal tightening torque top terminal	2.40 - 2.40 Nm
Nominal tightening torque down terminal	3.50 - 3.50 Nm
Electric current	
Breaking and opening capacity Idm	3 kA
Rated residual operating current Idn	30 mA
Voltage	
Rated insulation voltage Ui	400 V
Safety	
Residual current type	A
Voltage	
Rated impulse withstand voltage Uimp	4000 V
Rated operational voltage Ue	230 - 230 V
Power	
Power dissipation at IN	6.1 W
Use conditions	
Class of energy limitation I^2t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C
Endurance	
Number of mechanical operations	8000

Endurance	
Electric endurance in number of cycles	2000
Installation, mounting	
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
Capacity	
Number of modules	1
Dimensions	
Height	125 mm
Width	17.50 mm
Depth	70 mm
Connection	
Cross-section of bottom terminal with screws, for flexible conductors	1 - 16 mm^2
Cross-section of bottom terminal with screws, for rigid conductors	1 - 25 mm^2
Cross-section of top terminal with screws, for flexible conductors	1 - 16 mm^2
Cross-section of top terminal with screws, for rigid conductors	1 - 16 mm^2
Frequency	
Frequency	50 - 50 Hz
Data act compliance	
Is generating data	Yes
Data types	Basic information General diagnostics Operational state
Data formats	BLE
Estimated daily data volume	< 1 KB
Real time data generation	No
Data stored on device	No