



ARL970U

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

Technical Features

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

Architecture

Curve	C
Type of pole	1P+N

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} 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 I _{dm}	3 kA
Rated residual operating current I _{dn}	30 mA

Voltage

Rated insulation voltage U _i	400 V
---	-------

Safety

Residual current type	A
-----------------------	---

Voltage

Rated impulse withstand voltage U _{imp}	4000 V
Rated operational voltage U _e	230 - 230 V

Power

Total power loss under I _N	6.1 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	8000
Electric endurance in number of cycles	2000

Capacity

Number of modules	1
-------------------	---

Installation, mounting

Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal

Dimensions

Height	125 mm
Width	17.50 mm
Depth	70 mm

Frequency

Frequency	50 - 50 Hz
-----------	------------

Sustainability

RoHS conform	Yes
--------------	-----