



ARL975U

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

**Technical Features**

**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 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
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**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
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**Safety**

Residual current type	A
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**Voltage**

Rated impulse withstand voltage Uimp	4000 V
Rated operational voltage Ue	230 - 230 V

**Power**

Total power loss under IN	8.3 W
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**Use conditions**

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

# Product Datasheet

## ARL975U

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### Endurance

Number of mechanical operations	8000
Electric endurance in number of cycles	2000

### Capacity

Number of modules	1
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### 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
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### Sustainability

RoHS conform	Yes
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