



ARL966U

**RCBO with dangerous arc detection 1M 16A C curve 6kA Type A 30mA LFL 1m**

**Technical Features**

**Electric current**

Rated current	16 A
Rated current -25°C	20.5 A
Rated current at -20°C	20.1 A
Rated current -15°C	19.7 A
Rated current -10°C	19.3 A
Rated current -5°C	18.9 A
Rated current at 0°C	18.5 A
Rated current 5°C	18.1 A
Rated current 10°C	17.6 A
Rated current 15°C	17.2 A
Rated current at 20°C	16.8 A
Rated current 25°C	16.4 A
Rated current 30°C	16 A
Rated current 35°C	15.7 A
Rated current at 40°C	15.5 A
Rated current at 45°C	15.2 A
Rated current at 50°C	15 A
Rated current 55°C	14.7 A
Rated current 60°C	14.5 A
Rated current 65°C	14.2 A
Rated current 70°C	14 A
Rated short-circuit breaking capacity I <sub>cn</sub> 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 <sub>cn</sub> 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 I <sub>dm</sub>	3 kA
Rated residual operating current I <sub>dn</sub>	30 mA

**Voltage**

Rated insulation voltage U <sub>i</sub>	400 V
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**Safety**

Residual current type	A
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**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Rated operational voltage U <sub>e</sub>	230 - 230 V

**Power**

Total power loss under I <sub>N</sub>	4.6 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

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**Endurance**

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

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**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

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**Dimensions**

Height	125 mm
Width	17.50 mm
Depth	70 mm

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**Frequency**

Frequency	50 - 50 Hz
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**Sustainability**

RoHS conform	Yes
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