



ARL925U

**RCBO with dangerous arc detection 1M 25A B 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 I <sub>cn</sub> under 230 V AC according to IEC 61009-1 | 6 kA   |

**Architecture**

|              |      |
|--------------|------|
| Curve        | B    |
| 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 |
|---|------|

**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 |
|---|-------|

**Safety**

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

**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> | 8.3 W |
|---------------------------------------|-------|

**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 |

**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 |
|--------------|-----|