



ARR925U

### RCBO with dangerous arc detection 1M 25A B curve 6kA Type A 30mA

#### 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> | 6.5 W |
|---------------------------------------|-------|

##### Use conditions

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

##### Endurance

|                                 |      |
|---------------------------------|------|
| Number of mechanical operations | 8000 |
|---------------------------------|------|

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**Endurance**

|                                        |      |
|----------------------------------------|------|
| Electric endurance in number of cycles | 2000 |
|----------------------------------------|------|

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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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**Capacity**

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

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**Dimensions**

|        |          |
|--------|----------|
| Height | 125 mm   |
| Width  | 17.50 mm |
| Depth  | 70 mm    |

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**Connection**

|                                                              |                        |
|--------------------------------------------------------------|------------------------|
| Cross-section of output with screws, for flexible conductors | 1 - 16 mm <sup>2</sup> |
| Cross-section of output with screws, for massive conductors  | 1 - 25 mm <sup>2</sup> |
| Cross-section of input with screws, for flexible conductors  | 1 - 16 mm <sup>2</sup> |
| Cross-section of input with screws, for massive conductors   | 1 - 16 mm <sup>2</sup> |

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**Frequency**

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

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**Sustainability**

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