



ARF920D



**RCBO with dangerous arc detection 20A B curve 6kA Type A 30mA**

**Technical Features**

**Electric current**

|   |         |
|---|---------|
| Rated current   | 20 A    |
| Rated current -25°C   | 24.80 A |
| Rated current at -20°C  | 24.36 A |
| Rated current -15°C   | 23.92 A |
| Rated current -10°C   | 23.47 A |
| Rated current -5°C  | 23.04 A |
| Rated current at 0°C  | 22.60 A |
| Rated current 5°C   | 22.16 A |
| Rated current 10°C  | 21.73 A |
| Rated current 15°C  | 21.29 A |
| Rated current at 20°C   | 20.85 A |
| Rated current 25°C  | 20.41 A |
| Rated current 30°C  | 20 A    |
| Rated current 35°C  | 19.53 A |
| Rated current at 40°C   | 19.10 A |
| Rated current at 45°C   | 18.66 A |
| Rated current at 50°C   | 18.20 A |
| Rated current 55°C  | 17.78 A |
| Rated current 60°C  | 17.34 A |
| Rated current 65°C  | 16.90 A |
| Rated current 70°C  | 16.46 A |
| Rated short-circuit breaking capacity Icn 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 Icn AC according to IEC 60898-1 | 6 kA |
|---|------|

**Installation, mounting**

|   |          |
|---|----------|
| Nominal tightening torque down terminal | 2 - 2 Nm |
|---|----------|

**Electric current**

|                                      |       |
|--------------------------------------|-------|
| Breaking and opening capacity Idm    | 6 kA  |
| Rated residual operating current Idn | 30 mA |

**Voltage**

|                             |       |
|-----------------------------|-------|
| Rated insulation voltage Ui | 500 V |
|-----------------------------|-------|

**Safety**

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

**Voltage**

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

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 6.08 W |
|---------------------------|--------|

**Use conditions**

|                                   |             |
|-----------------------------------|-------------|
| Class of energy limitation $I^2t$ | 3           |
| Operating temperature             | -25 - 40 °C |
| Storage/transport temperature     | -25 - 70 °C |

**Endurance**

|  |      |
|--|------|
| Number of mechanical operations        | 4000 |
| Electric endurance in number of cycles | 2000 |

**Installation, mounting**

Nominal tightening torque

2.10 - 2.10 Nm

**Capacity**

Number of modules

3

**Installation, mounting**

Type of bottom connection for modular devices

biconnect  
quickbusbar

Type of top connection for modular devices

quickconnect

**Dimensions**

Height

83 mm

Width

53.20 mm

Depth

70 mm

**Frequency**

Frequency

50 - 50 Hz

**Sustainability**

RoHS conform

Yes