# Product Datasheet
ARM916U



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**MCB with dangerous arc detection 1M 16A B curve 6kA**

## Technical Features

| | |
|---|---|
| **Electric current** | |
| Rated current IN | 16 A |
| Rated current at -25°C | 20.54 A |
| Rated current at -20°C | 20.13 A |
| Rated current at -15°C | 19.71 A |
| Rated current at -10°C | 19.3 A |
| Rated current at -5°C | 18.89 A |
| Rated current at 0°C | 18.48 A |
| Rated current at 5°C | 18.06 A |
| Rated current at 10°C | 17.65 A |
| Rated current at 15°C | 17.24 A |
| Rated current at 20°C | 16.83 A |
| Rated current at 25°C | 16.41 A |
| Rated current at 30°C | 16 A |
| Rated current at 35°C | 15.75 A |
| Rated current at 40°C | 15.5 A |
| Rated current at 45°C | 15.25 A |
| Rated current at 50°C | 15 A |
| Rated current at 55°C | 14.75 A |
| Rated current at 60°C | 14.5 A |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 6 kA |
| **Architecture** | |
| Curve | B |
| Number of poles | 2 |
| 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 top terminal | 2.40 - 2.40 Nm |
| Nominal tightening torque down terminal | 3.50 - 3.50 Nm |
| **Voltage** | |
| Rated insulation voltage Ui | 400 V |
| Rated impulse withstand voltage Uimp | 4000 V |
| Rated operational voltage Ue | 230 - 230 V |
| **Power** | |
| Power dissipation at IN | 3.8 W |
| **Use conditions** | |
| Class of energy limitation $I^2t$ | 3 |
| **Endurance** | |
| Number of mechanical operations | 8000 |
| Electric endurance in number of cycles | 2000 |
| **Installation, mounting** | |
| Type of bottom connection for modular devices | biconnect |
| Type of top connection for modular devices | Screw terminal |
| **Capacity** | |
| Number of modules | 1 |
| **Dimensions** | |
| Height | 125 mm |
| Width | 17.50 mm |

| | |
|---|---|
| **Dimensions** | |
| Depth | 70 mm |
| **Frequency** | |
| Frequency | 50 - 50 Hz |
| **Use conditions** | |
| Operating temperature | -25 - 70 °C |
| Storage/transport temperature | -25 - 80 °C |
| **Connection** | |
| Cross-section of bottom terminal with screws, for flexible conductors | 1 - 16 $mm^2$ |
| Cross-section of bottom terminal with screws, for rigid conductors | 1 - 25 $mm^2$ |
| Cross-section of top terminal with screws, for flexible conductors | 1 - 16 $mm^2$ |
| Cross-section of top terminal with screws, for rigid conductors | 1 - 16 $mm^2$ |
| **Data act compliance** | |
| Is generating data | Yes |
| Data types | Basic information<br>General diagnostics<br>Operational state |
| Data formats | BLE |
| Estimated daily data volume | < 1 KB |
| Real time data generation | No |
| Data stored on device | No |