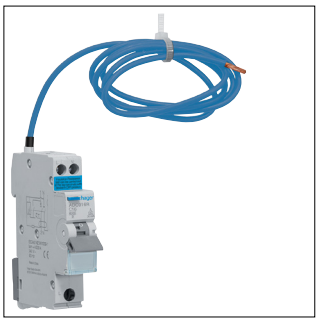
# Product Datasheet
ADC916R



ADC916R

**Bidirectional RCBO 1M 1P+N 6kA C-16A 30mA type A**

## Technical Features

### Architecture

| | |
|---|---|
| Type of pole | 1P+N |
| Number of protected poles | 1 |
| Curve | C |

### Electric current

| | |
|---|---|
| Rated current IN | 16 A |
| Rated residual operating current Idn | 30 mA |
| Rated current at -25°C | 20.50 A |
| Rated current at -20°C | 20.10 A |
| Rated current at -15°C | 19.70 A |
| Rated current at -10°C | 19.30 A |
| Rated current at -5°C | 18.90 A |
| Rated current at 0°C | 18.50 A |
| Rated current at 5°C | 18.10 A |
| Rated current at 10°C | 17.60 A |
| Rated current at 15°C | 17.20 A |
| Rated current at 20°C | 16.80 A |
| Rated current at 25°C | 16.40 A |
| Rated current at 30°C | 16 A |
| Rated current at 35°C | 15.70 A |
| Rated current at 40°C | 15.50 A |
| Rated current at 50°C | 15 A |
| Rated current at 55°C | 14.70 A |
| Rated current at 60°C | 14.50 A |
| Min./max. threshold value of the AC thermal operation | 1.13 - 1.45 A |
| Rated current at 45°C | 15.20 A |
| Rated current at 65°C | 14.20 A |
| Rated current at 70°C | 14 A |

### Safety

| | |
|---|---|
| Residual current type | A |
| Ingress Protection (IP) class | IP20 |

### Main electrical attributes

| | |
|---|---|
| Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 | 6 kA |

### Voltage

| | |
|---|---|
| Rated insulation voltage Ui | 440 V |
| Rated impulse withstand voltage Uimp | 4000 V |
| Max. operating voltage | 264 V |
| Rated operational voltage Ue | 230 - 230 V |
| Overvoltage category according to IEC 60947-1 | 3 |

### Power

| | |
|---|---|
| Power dissipation at IN | 8.69 W |

### Frequency

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

### Use conditions

| | |
|---|---|
| Max. altitude | 2000 m |
| Class of energy limitation $I^2t$ | 3 |

### Endurance

| | |
|---|---|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations | 20000 |

| | |
|---|---|
| **Connection** | |
| Cross-section of top terminal with screws, for flexible conductors | 1 - 10 mm² |
| Cross-section of top terminal with screws, for rigid conductors | 1 - 16 mm² |
| **Capacity** | |
| Number of modules | 1 |
| **Installation, mounting** | |
| Type of top connection for modular devices | Screw terminal |
| Type of bottom connection for modular devices | biconnect |
| **Dimensions** | |
| Height | 85 mm |
| Width | 17.70 mm |
| Depth | 70 mm |
| **Use conditions** | |
| Operating temperature | -25 - 70 °C |
| Storage/transport temperature | -25 - 80 °C |
| **Connection** | |
| Cross-section of top and bottom terminal with screws, for flexible conductors | 1 - 10 mm² |
| Cross-section of top and bottom terminal with screws, for rigid conductors | 1 - 16 mm² |
| Cross-section of bottom terminal with screws, for flexible conductors | 1 - 10 mm² |
| Cross-section of bottom terminal with screws, for rigid conductors | 1 - 16 mm² |
| **Compatibility** | |
| Suitable for DIN Rail | Yes |