



AFM440C

RCBO 4P 6kA B-40A 300mA A Class

Technical Features

Electric current

| | |
|---|---------|
| Rated current | 40 A |
| Rated residual operating current Idn | 300 mA |
| Rated short-circuit breaking capacity Icn under 400 V AC according to IEC 60898-1 | 6 kA |
| Rated current -25°C | 49.80 A |
| Rated current at -20°C | 49 A |
| Rated current -15°C | 48.20 A |
| Rated current -10°C | 47.30 A |
| Rated current -5°C | 46.50 A |
| Rated current at 0°C | 45.60 A |
| Rated current 5°C | 44.70 A |
| Rated current 10°C | 43.80 A |
| Rated current 15°C | 42.90 A |
| Rated current at 20°C | 42 A |
| Rated current 25°C | 41 A |
| Rated current 30°C | 40 A |
| Rated current 35°C | 38.90 A |
| Rated current at 40°C | 37.70 A |
| Rated current at 45°C | 36.50 A |
| Rated current at 50°C | 35.20 A |
| Rated current 55°C | 33.90 A |
| Rated current 60°C | 32.60 A |

Architecture

| | |
|---------------------------|---------------|
| Curve | B |
| Neutral position | Left Right |
| Type of pole | 4P |
| Number of protected poles | 4 |

Capacity

| | |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

Safety

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

Voltage

| | |
|---|-------------|
| Type voltage supply | AC |
| Rated operational voltage Ue | 230 - 400 V |
| Rated insulation voltage Ui | 500 V |
| Dielectric strength value of power frequency | 2 kV |
| Rated impulse withstand voltage Uimp | 4000 V |
| Overvoltage category according to IEC 60947-1 | 3 |

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

Frequency

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

Connection

| | |
|---|------------------------|
| Cross-section of input with screws, for flexible conductors | 1 - 16 mm ² |
| Cross-section of input with screws, for massive conductors | 1 - 25 mm ² |

Product Datasheet

AFM440C

Installation, mounting

| | |
|---------------------------------|----------|
| Nominal tightening torque | 2 - 2 Nm |
| 360° mounting position possible | Yes |

Use conditions

| | |
|-----------------------------------|-------------|
| Class of energy limitation I^2t | 3 |
| Operating temperature | -25 - 40 °C |

Dimensions

| | |
|--------|-------|
| Height | 84 mm |
| Width | 71 mm |
| Depth | 70 mm |

Installation, mounting

| | |
|---|----------------|
| Type of top connection for modular devices | Screw terminal |
| Type of bottom connection for modular devices | biconnect |

Connectivity

| | |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

Power

| | |
|---------------------------|---------|
| Total power loss under IN | 17.70 W |
|---------------------------|---------|

Sustainability

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