



NCN116A

MCB 1P 10kA/15kA C-16A 1M

Technical characteristics

Electric current

| | |
|--|---------|
| Rated current | 16 A |
| Rated short-circuit breaking capacity I_{cn} under 230 V AC according to IEC 60898-1 | 10 kA |
| Rated ultimate short-circuit breaking capacity I_{cu} under 230 V AC IEC 60947-2 | 15 kA |
| Rated current -25°C | 20.49 A |
| Rated current at -20°C | 20.12 A |
| Rated current -15°C | 19.75 A |
| Rated current -10°C | 19.37 A |
| Rated current -5°C | 18.98 A |
| Rated current at 0°C | 18.58 A |
| Rated current 5°C | 18.18 A |
| Rated current 10°C | 17.76 A |
| Rated current 15°C | 17.34 A |
| Rated current at 20°C | 16.90 A |
| Rated current 25°C | 16.46 A |
| Rated current 30°C | 16 A |
| Rated current 35°C | 15.53 A |
| Rated current at 40°C | 15.04 A |
| Rated current at 45°C | 14.54 A |
| Rated current at 50°C | 14.02 A |
| Rated current 55°C | 13.48 A |
| Rated current 60°C | 12.91 A |
| Rated current 65°C | 12.32 A |
| Rated current 70°C | 11.70 A |

Architecture

| | |
|--------------|----|
| Type of pole | 1P |
| Curve | C |

Capacity

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

Main electrical attributes

| | |
|--|----------------|
| Rated short-circuit breaking capacity I_{cn} AC according to IEC 60898-1 | 10 kA |
| Nominal tightening torque top terminal | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |

| | |
|--|------------------|
| Voltage | |
| Rated operational voltage Ue | 230 - 400 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 500 V |
| Rated impulse withstand voltage Uimp | 6,000 V |
| Frequency | |
| Frequency | 50 - 60 Hz |
| Connection | |
| Cross-section of input and output with screws, for massive conductors | 1 - 35 mm² |
| Cross-section of input and output with screws, for flexible conductors | 1 - 25 mm² |
| Cross-section of input with screws, for flexible conductors | 1 - 25 mm² |
| Cross-section of input with screws, for massive conductors | 1 - 35 mm² |
| Installation, mounting | |
| Nominal tightening torque | 2.80 - 2.80 Nm |
| Type of bottom connection for modular devices | biconnect |
| Type of top connection for modular devices | Screw terminal |
| 360° mounting position possible | Yes |
| Safety | |
| Ingress Protection (IP) class | IP20 |
| Use conditions | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Class of energy limitation I²t | 3 |
| Operating temperature | -25 - 70 °C |
| Power | |
| Total power loss under IN | 2.62 W |
| Endurance | |
| Electric endurance in number of cycles | 4,000 |
| Number of mechanical operations | 20,000 |
| Connectivity | |
| Type of connection | Screw terminal |
| Top connection alignment for modular devices | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |
| Dimensions | |
| Height | 83 mm |
| Width | 17.50 mm |
| Depth | 70 mm |