



NDN301A

MCB 3P 10kA/15kA D-1A 3M

Technical characteristics

Electric current

| | |
|---|--------|
| Rated current | 1 A |
| Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2 | 15 kA |
| Rated current -25°C | 1.41 A |
| Rated current at -20°C | 1.37 A |
| Rated current -15°C | 1.34 A |
| Rated current -10°C | 1.31 A |
| Rated current -5°C | 1.27 A |
| Rated current at 0°C | 1.24 A |
| Rated current 5°C | 1.20 A |
| Rated current 10°C | 1.16 A |
| Rated current 15°C | 1.13 A |
| Rated current at 20°C | 1.09 A |
| Rated current 25°C | 1.04 A |
| Rated current 30°C | 1 A |
| Rated current 35°C | 0.95 A |
| Rated current at 40°C | 0.90 A |
| Rated current at 45°C | 0.84 A |
| Rated current at 50°C | 0.78 A |
| Rated current 55°C | 0.72 A |
| Rated current 60°C | 0.65 A |
| Rated current 65°C | 0.57 A |
| Rated current 70°C | 0.48 A |

Architecture

| | |
|--------------|----|
| Type of pole | 3P |
| Curve | D |

Capacity

| | |
|-------------------|---|
| Number of modules | 3 |
|-------------------|---|

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 U _e | 400 - 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 mm ² |
| Cross-section of input and output with screws, for flexible conductors | 1 - 25 mm ² |
| Cross-section of input with screws, for flexible conductors | 1 - 25 mm ² |
| Cross-section of input with screws, for massive conductors | 1 - 35 mm ² |
| 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 |
| Operating temperature | -25 - 70 °C |
| Power | |
| Total power loss under IN | 3.24 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 | 52.50 mm |
| Depth | 70 mm |