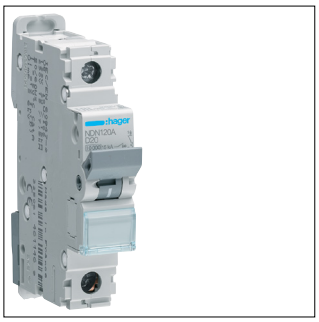
# Product Datasheet
NDN120A



NDN120A

**MCB 1P 10kA/15kA D-20A 1M**

## Technical Features

| | |
|---|---|
| **Electric current** | |
| Rated current IN | 20 A |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 10 kA |
| Rated ultimate short-circuit breaking capacity Icu AC IEC 60947-2 | 15 kA |
| Rated current at -15°C | 24.24 A |
| Rated current at -10°C | 23.80 A |
| Rated current at -5°C | 23.36 A |
| Rated current at 0°C | 22.91 A |
| Rated current at 5°C | 22.45 A |
| Rated current at 10°C | 21.98 A |
| Rated current at 15°C | 21.51 A |
| Rated current at 20°C | 21.02 A |
| Rated current at 25°C | 20.51 A |
| Rated current at 30°C | 20 A |
| Rated current at 35°C | 19.47 A |
| Rated current at 40°C | 18.93 A |
| Rated current at 45°C | 18.37 A |
| Rated current at 50°C | 17.80 A |
| Rated current at 55°C | 17.20 A |
| Rated current at 60°C | 16.58 A |
| Rated current at 65°C | 15.94 A |
| Rated current at 70°C | 15.28 A |
| **Architecture** | |
| Type of pole | 1P |
| **Electric current** | |
| Rated service breaking capacity Ics AC according to IEC 60898-1 | 7.50 kA |
| Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2 | 15 kA |
| **Architecture** | |
| Curve | D |
| **Capacity** | |
| Number of modules | 1 |
| **Main electrical attributes** | |
| Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 | 10 kA |
| **Installation, mounting** | |
| Nominal tightening torque top terminal | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |
| Nominal tightening torque | 2.80 - 2.80 Nm |
| **Voltage** | |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 500 V |
| Rated impulse withstand voltage Uimp | 6000 V |
| **Frequency** | |
| Frequency | 50 - 60 Hz |
| **Connection** | |
| Cross-section of top and bottom terminal with screws, for rigid conductors | 1 - 35 $mm^2$ |
| Cross-section of top and bottom terminal with screws, for flexible conductors | 1 - 25 $mm^2$ |
| Cross-section of top terminal with screws, for flexible conductors | 1 - 25 $mm^2$ |
| Cross-section of top terminal with screws, for rigid conductors | 1 - 35 $mm^2$ |

| | |
|---|---|
| **Installation, mounting** | |
| 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 |
| Grid distance | 60 mm |
| **Use conditions** | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Class of energy limitation $I^2t$ | 3 |
| Operating temperature | -25 - 70 °C |
| **Power** | |
| Power dissipation at IN | 2.56 W |
| **Connectivity** | |
| Top connection alignment for modular devices | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |
| **Dimensions** | |
| Width | 17.50 mm |
| Height | 83 mm |
| Depth | 70 mm |
| **Endurance** | |
| Electric endurance in number of cycles | 4000 |
| **Sustainability** | |
| RoHS conform | Yes |