



NBN320

**MCB 3P 10kA/15kA B-20A 3M**

**Technical Features**

**Electric current**

|   |         |
|---|---------|
| Rated current   | 20 A    |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2       | 15 kA   |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 10 kA   |
| Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2     | 30 kA   |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2     | 15 kA   |
| Rated current -25°C   | 24.78 A |
| Rated current at -20°C  | 24.38 A |
| Rated current -15°C   | 23.98 A |
| Rated current -10°C   | 23.57 A |
| Rated current -5°C  | 23.16 A |
| Rated current at 0°C  | 22.73 A |
| Rated current 5°C   | 22.30 A |
| Rated current 10°C  | 21.86 A |
| Rated current 15°C  | 21.41 A |
| Rated current at 20°C   | 20.95 A |
| Rated current 25°C  | 20.48 A |
| Rated current 30°C  | 20 A    |
| Rated current 35°C  | 19.48 A |
| Rated current at 40°C   | 18.94 A |
| Rated current at 45°C   | 18.39 A |
| Rated current at 50°C   | 17.81 A |
| Rated current 55°C  | 17.22 A |
| Rated current 60°C  | 16.61 A |
| Rated current 65°C  | 15.98 A |
| Rated current 70°C  | 15.32 A |

**Architecture**

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

**Capacity**

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

**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 |

**Voltage**

|                                      |             |
|--------------------------------------|-------------|
| Rated operational voltage Ue         | 400 - 400 V |
| 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 input and output with screws, for massive conductors  | 1 - 35 mm <sup>2</sup> |
| Cross-section of input and output with screws, for flexible conductors | 1 - 25 mm <sup>2</sup> |
| Cross-section of input with screws, for flexible conductors            | 1 - 25 mm <sup>2</sup> |
| Cross-section of input with screws, for massive conductors             | 1 - 35 mm <sup>2</sup> |

**Installation, mounting**

|   |                |
|---|----------------|
| Nominal tightening torque                     | 2.80 - 2.80 Nm |
| Type of bottom connection for modular devices | biconnect      |

**Installation, mounting**

|  |                |
|--|----------------|
| 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 <sup>2</sup> t              | 3           |
| Operating temperature                                    | -25 - 70 °C |

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 8.04 W |
|---------------------------|--------|

**Endurance**

|  |       |
|--|-------|
| Electric endurance in number of cycles | 4000  |
| Number of mechanical operations        | 20000 |

**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    |

**Illustrations | Drawings**

