



NQN306

**MCB 3P 25kA B-6A 3M**

**Technical Features**

**Electric current**

|   |         |
|---|---------|
| Rated current   | 6 A     |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2   | 7.50 kA |
| Rated ultimate short-circuit breaking capacity Icu AC IEC 60947-2             | 25 kA   |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 25 kA   |
| Rated current -15°C   | 7.35 A  |
| Rated current -10°C   | 7.21 A  |
| Rated current -5°C  | 7.07 A  |
| Rated current at 0°C  | 6.93 A  |
| Rated current 5°C   | 6.78 A  |
| Rated current 10°C  | 6.63 A  |
| Rated current 15°C  | 6.48 A  |
| Rated current at 20°C   | 6.32 A  |
| Rated current 25°C  | 6.16 A  |
| Rated current 30°C  | 6 A     |
| Rated current 35°C  | 5.81 A  |
| Rated current at 40°C   | 5.61 A  |
| Rated current at 45°C   | 5.41 A  |
| Rated current at 50°C   | 5.19 A  |
| Rated current 55°C  | 4.97 A  |
| Rated current 60°C  | 4.74 A  |
| Rated current 65°C  | 4.50 A  |
| Rated current 70°C  | 4.24 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         | 415 - 415 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      |
| Type of top connection for modular devices    | Screw terminal |

**Safety**

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP20 |
|-------------------------------|------|

**Use conditions**

|  |                  |
|--|------------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2                |
| Class of energy limitation I <sup>2</sup> t              | 3                |
| Air humidity protection                                  | For all climates |
| Operating temperature                                    | -25 - 70 °C      |

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 4.06 W |
|---------------------------|--------|

**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    |

**Sustainability**

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

**Illustrations | Drawings**

