



NDN316A

**MCB 3P 10kA/15kA D-16A 3M**

**Technical characteristics**

**Electric current**

|   |         |
|---|---------|
| Rated current   | 16 A    |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 15 kA   |
| Rated current -25°C   | 20.27 A |
| Rated current at -20°C  | 19.92 A |
| Rated current -15°C   | 19.56 A |
| Rated current -10°C   | 19.20 A |
| Rated current -5°C  | 18.83 A |
| Rated current at 0°C  | 18.45 A |
| Rated current 5°C   | 18.07 A |
| Rated current 10°C  | 17.67 A |
| Rated current 15°C  | 17.27 A |
| Rated current at 20°C   | 16.86 A |
| Rated current 25°C  | 16.43 A |
| Rated current 30°C  | 16 A    |
| Rated current 35°C  | 15.48 A |
| Rated current at 40°C   | 14.94 A |
| Rated current at 45°C   | 14.38 A |
| Rated current at 50°C   | 13.80 A |
| Rated current 55°C  | 13.19 A |
| Rated current 60°C  | 12.56 A |
| Rated current 65°C  | 11.89 A |
| Rated current 70°C  | 11.18 A |

**Architecture**

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

**Capacity**

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

**Main electrical attributes**

|   |                |
|---|----------------|
| Rated short-circuit breaking capacity Icn 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 | 400 - 400 V |
|------------------------------|-------------|

|  |                        |
|--|------------------------|
| Type voltage supply  | AC                     |
| Rated insulation voltage Ui  | 500 V                  |
| Rated impulse withstand voltage Uimp                                   | 6,000 V                |
| <b>Frequency</b>   |                        |
| Frequency  | 50 - 60 Hz             |
| <b>Connection</b>  |                        |
| 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> |
| <b>Installation, mounting</b>  |                        |
| 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                    |
| <b>Safety</b>  |                        |
| Ingress Protection (IP) class  | IP20                   |
| <b>Use conditions</b>  |                        |
| Degree of pollution according to IEC 60664 / IEC 60947-2               | 2                      |
| Operating temperature  | -25 - 70 °C            |
| <b>Power</b>   |                        |
| Total power loss under IN  | 8.27 W                 |
| <b>Endurance</b>   |                        |
| Electric endurance in number of cycles                                 | 4,000                  |
| Number of mechanical operations  | 20,000                 |
| <b>Connectivity</b>  |                        |
| Type of connection   | Screw terminal         |
| Top connection alignment for modular devices                           | Aligned terminal       |
| Down connection alignment for modular devices                          | Aligned terminal       |
| <b>Dimensions</b>  |                        |
| Height   | 83 mm                  |
| Width  | 52.50 mm               |
| Depth  | 70 mm                  |