



NDN302A

**MCB 3P 10kA/15kA D-2A 3M**

**Technical Features**

**Electric current**

|   |        |
|---|--------|
| Rated current   | 2 A    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2 | 15 kA  |
| Rated current -25°C   | 2.59 A |
| Rated current at -20°C  | 2.54 A |
| Rated current -15°C   | 2.50 A |
| Rated current -10°C   | 2.45 A |
| Rated current -5°C  | 2.39 A |
| Rated current at 0°C  | 2.34 A |
| Rated current 5°C   | 2.29 A |
| Rated current 10°C  | 2.23 A |
| Rated current 15°C  | 2.18 A |
| Rated current at 20°C   | 2.12 A |
| Rated current 25°C  | 2.06 A |
| Rated current 30°C  | 2 A    |
| Rated current 35°C  | 1.93 A |
| Rated current at 40°C   | 1.85 A |
| Rated current at 45°C   | 1.77 A |
| Rated current at 50°C   | 1.69 A |
| Rated current 55°C  | 1.61 A |
| Rated current 60°C  | 1.51 A |
| Rated current 65°C  | 1.42 A |
| Rated current 70°C  | 1.31 A |

**Architecture**

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

**Capacity**

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

**Main electrical attributes**

|   |       |
|---|-------|
| Rated short-circuit breaking capacity I <sub>cn</sub> 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 U <sub>e</sub>         | 400 - 400 V |
| Type voltage supply                              | AC          |
| Rated insulation voltage U <sub>i</sub>          | 500 V       |
| Rated impulse withstand voltage U <sub>imp</sub> | 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 |
| 360° mounting position possible               | Yes            |

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**Safety**

|                               |       |
|-------------------------------|-------|
| Ingress Protection (IP) class | IP20  |
| Grid distance                 | 60 mm |

**Use conditions**

|  |             |
|--|-------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2           |
| Operating temperature                                    | -25 - 70 °C |

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 6.16 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    |

**Sustainability**

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