



NDN432A

### MCB 4P 10kA/15kA D-32A 4M

#### Technical Features

##### Electric current

|                                                                                        |         |
|----------------------------------------------------------------------------------------|---------|
| Rated current $I_N$                                                                    | 32 A    |
| Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 60898-1 | 20 kA   |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ AC IEC 60947-2                 | 15 kA   |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 400 V AC IEC 60947-2     | 15 kA   |
| Rated current -15°C                                                                    | 37.86 A |
| Rated current -10°C                                                                    | 37.25 A |
| Rated current -5°C                                                                     | 36.64 A |
| Rated current at 0°C                                                                   | 36.01 A |
| Rated current 5°C                                                                      | 35.37 A |
| Rated current 10°C                                                                     | 34.73 A |
| Rated current 15°C                                                                     | 34.06 A |
| Rated current at 20°C                                                                  | 33.39 A |
| Rated current 25°C                                                                     | 32.70 A |
| Rated current 30°C                                                                     | 32 A    |
| Rated current 35°C                                                                     | 31.26 A |
| Rated current at 40°C                                                                  | 30.50 A |
| Rated current at 45°C                                                                  | 29.72 A |
| Rated current at 50°C                                                                  | 28.92 A |
| Rated current 55°C                                                                     | 28.10 A |
| Rated current 60°C                                                                     | 27.26 A |
| Rated current 65°C                                                                     | 26.38 A |
| Rated current 70°C                                                                     | 25.48 A |

##### Architecture

|              |    |
|--------------|----|
| Type of pole | 4P |
|--------------|----|

##### Electric current

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| Rated service breaking capacity $I_{cs}$ AC according to IEC 60898-1 | 7.50 kA |
|----------------------------------------------------------------------|---------|

##### Architecture

|       |   |
|-------|---|
| Curve | D |
|-------|---|

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

##### Main electrical attributes

|                                                                            |       |
|----------------------------------------------------------------------------|-------|
| Rated short-circuit breaking capacity $I_{cn}$ 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 $U_i$            | 500 V  |
| Rated impulse withstand voltage $U_{imp}$ | 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> |

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**Installation, mounting**

|                                               |                |
|-----------------------------------------------|----------------|
| Type of bottom connection for modular devices | biconnect      |
| Type of top connection for modular devices    | Screw terminal |

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**Safety**

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

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**Use conditions**

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

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**Power**

|                         |         |
|-------------------------|---------|
| Power dissipation at IN | 16.50 W |
|-------------------------|---------|

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**Connectivity**

|                                               |                  |
|-----------------------------------------------|------------------|
| Top connection alignment for modular devices  | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |

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**Dimensions**

|        |       |
|--------|-------|
| Height | 83 mm |
| Width  | 70 mm |
| Depth  | 70 mm |

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**Sustainability**

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