



NRN150

### MCB 1P 15kA C-50A 1M

#### Technical Features

##### Electric current

|                                                                                   |         |
|-----------------------------------------------------------------------------------|---------|
| Rated current                                                                     | 50 A    |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2       | 7.50 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     | 15 kA   |

##### Architecture

|              |    |
|--------------|----|
| Type of pole | 1P |
| Curve        | C  |

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

##### 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         | 240 - 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 |
| 360° mounting position possible               | Yes            |

##### 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 | 4.70 W |
|---------------------------|--------|

##### Endurance

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

Product Datasheet

NRN150

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  | 17.50 mm |
| Depth  | 70 mm    |

Sustainability

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