



HNB101H

### Moulded Case Circuit Breaker X250 4P 40kA 100A TM

#### Technical Features

##### Electric current

|                                                                               |          |
|-------------------------------------------------------------------------------|----------|
| Rated current                                                                 | 100 A    |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 40 kA    |
| Rated current 0°C according to IEC 60947                                      | 115.30 A |
| Rated current 10°C according to IEC 60947                                     | 111.70 A |
| Rated current 15°C according to IEC 60947                                     | 109.80 A |
| Rated current 20°C according to IEC 60947                                     | 107.90 A |
| Rated current 25°C according to IEC 60947                                     | 106 A    |
| Rated current 30°C according to IEC 60947                                     | 104 A    |
| Rated current at 35°C according to IEC 60947                                  | 102 A    |
| Rated current at 40°C according to IEC 60947                                  | 100 A    |
| Rated current 45°C according to IEC 60947                                     | 97.90 A  |
| Rated current 50°C according to IEC 60947                                     | 95.80 A  |
| Rated current 55°C according to IEC 60947                                     | 93.60 A  |
| Rated current 5°C according to IEC 60947                                      | 113.50 A |
| Rated current at 60°C according to IEC 60947                                  | 91.50 A  |
| Rated current 65°C according to IEC 60947                                     | 89.30 A  |
| Rated current 70°C according to IEC 60947                                     | 87.10 A  |

##### Architecture

|                           |                |
|---------------------------|----------------|
| Number of poles           | 4              |
| Control/operation element | Toggle         |
| Device construction type  | Fixed built-in |

##### Tripping

|                            |       |
|----------------------------|-------|
| Response time when opening | 10 ms |
|----------------------------|-------|

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### Voltage

|                                      |             |
|--------------------------------------|-------------|
| Rated impulse withstand voltage Uimp | 8000 V      |
| Rated insulation voltage Ui          | 800 V       |
| Rated operational voltage Ue         | 220 - 415 V |

##### Functions

|           |        |
|-----------|--------|
| Trip unit | TM A/A |
|-----------|--------|

##### Power

|                           |         |
|---------------------------|---------|
| Total power loss under IN | 24.80 W |
|---------------------------|---------|

##### Endurance

|                                        |      |
|----------------------------------------|------|
| Electric endurance in number of cycles | 1000 |
| Number of mechanical operations        | 4000 |

##### Safety

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
|-------------------------------|------|

##### Connection

|                                  |                          |
|----------------------------------|--------------------------|
| Cross-section flexible conductor | 35 - 150 mm <sup>2</sup> |
| Cross-section rigid conductor    | 35 - 185 mm <sup>2</sup> |

##### Settings

|                                                           |                  |
|-----------------------------------------------------------|------------------|
| Thermal protection knob setting xIN                       | 0.63<br>0.8<br>1 |
| Adjustment range short-term delayed short-circuit release | 0 - 0 A          |

##### Compatibility

|                       |    |
|-----------------------|----|
| Suitable for DIN Rail | No |
|-----------------------|----|

|                                   |            |
|-----------------------------------|------------|
| <b>Installation, mounting</b>     |            |
| Mounting-/Connection Position     | Front      |
| Nominal tightening torque         | 12 - 12 Nm |
| <b>Main electrical attributes</b> |            |
| Magnetic protection trip time     | 0 - 0 ms   |
| <b>Sustainability</b>             |            |
| REACH-SVHC free                   | Yes        |
| RoHS conform                      | Yes        |