



HNT101GR

**Moulded Case Circuit Breaker h3+ P250 LSnl 4P4D N0-50-100% 100A 40kA FTC**

**Technical characteristics**

**Electric current**

|   |         |
|---|---------|
| Rated current   | 100 A   |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230 V AC IEC 60947-2 | 50 kA   |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 50 kA   |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2 | 40 kA   |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 415 V AC IEC 60947-2 | 40 kA   |
| Breaking capacity on 1-pole for AC 230 V IEC 60947-2                                      | 2.50 kA |
| Breaking capacity on 1-pole for AC 400 V IEC 60947-2                                      | 2.50 kA |
| Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2   | 50 kA   |
| Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2   | 40 kA   |
| Rated current 10°C according to IEC 60947   | 100 A   |
| Rated current 15°C according to IEC 60947   | 100 A   |
| Rated current 20°C according to IEC 60947   | 100 A   |
| Rated current 25°C according to IEC 60947   | 100 A   |
| Rated current 30°C according to IEC 60947   | 100 A   |
| Rated current at 35°C according to IEC 60947  | 100 A   |
| Rated current at 40°C according to IEC 60947  | 100 A   |
| Rated current 45°C according to IEC 60947   | 100 A   |
| Rated current 50°C according to IEC 60947   | 100 A   |
| Rated current 55°C according to IEC 60947   | 100 A   |
| Rated current at 60°C according to IEC 60947  | 100 A   |
| Rated current 65°C according to IEC 60947   | 100 A   |

**Architecture**

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

**Settings**

|                                      |   |
|--------------------------------------|---|
| I <sub>r1</sub> current dial setting | 40 A, 45 A, 50 A, 57 A, 63 A, 72 A, 80 A, 87 A, 93 A, 100 A |
|--------------------------------------|---|

**Frequency**

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

**Installation, mounting**

|                               |            |
|-------------------------------|------------|
| Nominal tightening torque     | 12 - 12 Nm |
| Mounting-/Connection Position | Front      |

**Voltage**

|                                      |             |
|--------------------------------------|-------------|
| Rated impulse withstand voltage Uimp | 8,000 V     |
| Rated insulation voltage Ui          | 800 V       |
| Rated operational voltage Ue         | 220 - 690 V |

**Functions**

|           |      |
|-----------|------|
| Trip unit | LSNI |
|-----------|------|

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 7.20 W |
| Power loss per pole at In | 2.40 W |

**Endurance**

|  |        |
|--|--------|
| Electric endurance in number of cycles | 10,000 |
| Number of mechanical operations        | 40,000 |

**Equipment**

|   |   |
|---|---|
| Number of auxiliary contacts as change-over contact     | 0 |
| Number of auxiliary contacts as normally closed contact | 0 |
| Number of auxiliary contacts as normally open contact   | 0 |

**Safety**

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

**Use conditions**

|                       |             |
|-----------------------|-------------|
| Operating temperature | -25 - 70 °C |
|-----------------------|-------------|

**Connection**

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

**Cable**

|                |                   |
|----------------|-------------------|
| Cable material | Copper, Aluminium |
|----------------|-------------------|

**Dimensions**

|        |        |
|--------|--------|
| Height | 165 mm |
| Width  | 140 mm |
| Depth  | 97 mm  |

**Controls and indicators**

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|                        |    |
|------------------------|----|
| Motor drive integrated | No |
|------------------------|----|

**Compatibility**

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|                       |    |
|-----------------------|----|
| Suitable for DIN Rail | No |
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|                         |     |
|-------------------------|-----|
| Compatible with RDC AOB | Yes |
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|                                 |     |
|---------------------------------|-----|
| Suitable for distribution board | Yes |
|---------------------------------|-----|

**Power supply**

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|                       |               |
|-----------------------|---------------|
| Position power supply | Bidirectional |
|-----------------------|---------------|

**Electrical protection**

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|   |     |
|---|-----|
| Long-time overload protection (ltd): delay (tr) | 5 s |
|---|-----|

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|  |                              |
|--|------------------------------|
| Short-time protection (std): current (Isd) | 1.5, 2, 3, 4, 5, 6, 7, 8, 10 |
|--|------------------------------|

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|  |        |
|--|--------|
| Short-time protection (std): delay (tsd) | 100 ms |
|--|--------|

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|   |    |
|---|----|
| Instantaneous protection (li): dial setting coefficient | 15 |
|---|----|