



HNT251GR

**Moulded Case Circuit Breaker h3+ P250 LSnl 4P4D N0-50-100% 250A 40kA FTC**

**Technical Features**

**Electric current**

Rated current	250 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

**Architecture**

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

**Electric current**

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	250 A
Rated current 15°C according to IEC 60947	250 A
Rated current 20°C according to IEC 60947	250 A
Rated current 25°C according to IEC 60947	250 A
Rated current 30°C according to IEC 60947	250 A
Rated current at 35°C according to IEC 60947	250 A
Rated current at 40°C according to IEC 60947	250 A
Rated current 45°C according to IEC 60947	250 A
Rated current 50°C according to IEC 60947	250 A
Rated current 55°C according to IEC 60947	250 A
Rated current at 60°C according to IEC 60947	240 A
Rated current 65°C according to IEC 60947	220 A
Rated current 70°C according to IEC 60947	200 A

**Settings**

Ir1 current dial setting	90 A
	100 A
	110 A
	125 A
	140 A
	160 A
	180 A
	200 A
	225 A
	250 A
Adjustment range short-term delayed short-circuit release	122.9 - 2500.0 A

**Frequency**

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

**Installation, mounting**

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

**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V
Rated operational voltage U <sub>e</sub>	220 - 690 V

**Functions**

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

**Power**

Total power loss under I <sub>N</sub>	45 W
Power loss per pole at I <sub>N</sub>	15 W

**Endurance**

Electric endurance in number of cycles	10000
Number of mechanical operations	40000

**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**

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

**Compatibility**

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

**Power supply**

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

**Electrical protection**

Long-time overload protection (I <sub>td</sub> ): delay (t <sub>r</sub> )	5 s
Short-time protection (I <sub>sd</sub> ): current (I <sub>sd</sub> )	1.5 2 3 4 5 6 7 8 10
Short-time protection (I <sub>sd</sub> ): delay (t <sub>sd</sub> )	100 ms
Instantaneous protection (I <sub>i</sub> ): dial setting coefficient	11

**Sustainability**

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