



HNB251H

**Moulded Case Circuit Breaker X250 4P 40kA 250A TM**

**Technical Features**

**Electric current**

Rated current	250 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	40 kA
Rated current 0°C according to IEC 60947	298.20 A
Rated current 10°C according to IEC 60947	287.20 A
Rated current 15°C according to IEC 60947	281.20 A
Rated current 20°C according to IEC 60947	275.20 A
Rated current 25°C according to IEC 60947	269.20 A
Rated current 30°C according to IEC 60947	263 A
Rated current at 35°C according to IEC 60947	256.50 A
Rated current at 40°C according to IEC 60947	250 A
Rated current 45°C according to IEC 60947	243.20 A
Rated current 50°C according to IEC 60947	236.20 A
Rated current 55°C according to IEC 60947	229.20 A
Rated current 5°C according to IEC 60947	292.70 A
Rated current at 60°C according to IEC 60947	222.20 A
Rated current 65°C according to IEC 60947	215 A
Rated current 70°C according to IEC 60947	207.50 A

**Architecture**

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

**Tripping**

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

**Frequency**

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

**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 - 415 V

**Functions**

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

**Power**

Total power loss under I <sub>N</sub>	48 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 xI <sub>N</sub>	0.63 0.8 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

---

**Cable**

Cable material	Copper
----------------	--------

---

**Compatibility**

Suitable for DIN Rail	No
Suitable for distribution board	Yes

---

**Installation, mounting**

Mounting-/Connection Position	Front
Nominal tightening torque	12 - 12 Nm
Nominal tightening torque down terminal	12 - 12 Nm
Nominal tightening torque top terminal	12 - 12 Nm

---

**Main electrical attributes**

Magnetic protection trip time	0 - 0 ms
-------------------------------	----------

---

**Sustainability**

REACH-SVHC free	Yes
RoHS conform	Yes