



HNB250Z

## Moulded Case Circuit Breaker x250 3P 40kA 250A TM

### Technical characteristics

#### Electric current

Rated current	250 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated current 10°C according to IEC 60947	299 A
Rated current 15°C according to IEC 60947	293.20 A
Rated current 20°C according to IEC 60947	287.50 A
Rated current 25°C according to IEC 60947	281.70 A
Rated current 30°C according to IEC 60947	275.50 A
Rated current at 35°C according to IEC 60947	269.50 A
Rated current at 40°C according to IEC 60947	263 A
Rated current 45°C according to IEC 60947	256.50 A
Rated current 50°C according to IEC 60947	250 A
Rated current 55°C according to IEC 60947	243 A
Rated current at 60°C according to IEC 60947	236.20 A
Rated current 65°C according to IEC 60947	229.20 A
Rated current 70°C according to IEC 60947	222.20 A

#### Architecture

Number of poles	3
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	8,000 V
Rated insulation voltage Ui	800 V

#### Functions

Trip unit	TM F/F
-----------	--------

#### Power

**Endurance**

Electric endurance in number of cycles	10,000
Number of mechanical operations	20,000

**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>

**Installation, mounting**

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

**Settings**

Thermal protection knob setting xIN	1, 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

**Compatibility**

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

**Main electrical attributes**

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