



HNB160Z

## Moulded Case Circuit Breaker x250 3P 40kA 160A TM

### Technical characteristics

#### Electric current

Rated current	160 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	188.60 A
Rated current 15°C according to IEC 60947	185.20 A
Rated current 20°C according to IEC 60947	181.90 A
Rated current 25°C according to IEC 60947	178.50 A
Rated current 30°C according to IEC 60947	174.90 A
Rated current at 35°C according to IEC 60947	171.30 A
Rated current at 40°C according to IEC 60947	167.60 A
Rated current 45°C according to IEC 60947	163.80 A
Rated current 50°C according to IEC 60947	160 A
Rated current 55°C according to IEC 60947	156 A
Rated current at 60°C according to IEC 60947	152 A
Rated current 65°C according to IEC 60947	147.80 A
Rated current 70°C according to IEC 60947	143.60 A

#### Architecture

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in

#### Tripping

Response time when opening	10 ms
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#### Frequency

Frequency	50 - 60 Hz
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#### Voltage

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V

#### Functions

Trip unit	TM F/F
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#### Power

Total power loss under IN

32.60 W

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**Endurance**

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

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**Safety**

Ingress Protection (IP) class	IP4X
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**Connection**

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

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**Settings**

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

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**Compatibility**

Suitable for DIN Rail	No
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**Installation, mounting**

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

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**Main electrical attributes**

Magnetic protection trip time	0 - 0 ms
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