



HNB125H

## Moulded Case Circuit Breaker X250 3P 40kA 125A TM

### Technical characteristics

#### Electric current

Rated current	125 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	40 kA
Rated current 0°C according to IEC 60947	147.70 A
Rated current 10°C according to IEC 60947	142.20 A
Rated current 15°C according to IEC 60947	139.50 A
Rated current 20°C according to IEC 60947	136.70 A
Rated current 25°C according to IEC 60947	133.80 A
Rated current 30°C according to IEC 60947	131 A
Rated current at 35°C according to IEC 60947	128 A
Rated current at 40°C according to IEC 60947	125 A
Rated current 45°C according to IEC 60947	121.80 A
Rated current 50°C according to IEC 60947	118.70 A
Rated current 55°C according to IEC 60947	115.50 A
Rated current 5°C according to IEC 60947	145 A
Rated current at 60°C according to IEC 60947	112.20 A
Rated current 65°C according to IEC 60947	109 A
Rated current 70°C according to IEC 60947	105.60 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
Rated operational voltage Ue	220 - 415 V

#### Functions

Trip unit	TM A/A
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<b>Power</b>	
Total power loss under IN	27.70 W
<b>Endurance</b>	
Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Connection</b>	
Cross-section flexible conductor	35 - 150 mm <sup>2</sup>
Cross-section rigid conductor	35 - 185 mm <sup>2</sup>
<b>Settings</b>	
Thermal protection knob setting xIN	0.63, 0.8, 1
Adjustment range short-term delayed short-circuit release	0 - 0 A
<b>Compatibility</b>	
Suitable for DIN Rail	No
<b>Installation, mounting</b>	
Mounting-/Connection Position	Front
Nominal tightening torque	12 - 12 Nm
<b>Main electrical attributes</b>	
Magnetic protection trip time	0 - 0 ms