



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 _{cu} 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
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Frequency

Frequency	50 - 60 Hz
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Voltage

Rated impulse withstand voltage U _{imp}	8000 V
Rated insulation voltage U _i	800 V
Rated operational voltage U _e	220 - 415 V

Functions

Trip unit	TM A/A
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Power

Total power loss under I _N	48 W
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Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

Safety

Ingress Protection (IP) class	IP4X
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Connection

Cross-section flexible conductor	35 - 150 mm ²
Cross-section rigid conductor	35 - 185 mm ²

Settings

Thermal protection knob setting xI _N	0.63 0.8 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

Cable

Cable material	Copper
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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
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Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes