

Moulded Case Circuit Breaker x250 4P 40kA 100A TM

Technical Features

Electric current

Rated current	100 A
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	85 kA
Rated current 10°C according to IEC 60947	125 A
Rated current 15°C according to IEC 60947	122.20 A
Rated current 20°C according to IEC 60947	119.30 A
Rated current 25°C according to IEC 60947	116.20 A
Rated current 30°C according to IEC 60947	113.20 A
Rated current at 35°C according to IEC 60947	110 A
Rated current at 40°C according to IEC 60947	106.80 A
Rated current 45°C according to IEC 60947	103.40 A
Rated current 50°C according to IEC 60947	100 A
Rated current 55°C according to IEC 60947	96.40 A
Rated current at 60°C according to IEC 60947	92.80 A
Rated current 65°C according to IEC 60947	89.10 A
Rated current 70°C according to IEC 60947	85.40 A

Architecture

Number of poles	4
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 U _{imp}	8000 V
Rated insulation voltage U _i	800 V

Functions

Trip unit	TM F/F
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Power

Total power loss under I _N	17.70 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

Installation, mounting

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

Settings

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

Product Datasheet

HNB101Z

Compatibility	
Suitable for DIN Rail	No
Main electrical attributes	
Magnetic protection trip time	0 - 0 ms
Sustainability	
REACH-SVHC free	Yes
RoHS conform	Yes