Product Datasheet
HNB160H



HNB160H

Moulded Case Circuit Breaker X250 3P 40kA 160A TM

Technical Features

Electric current	
Rated current	160 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	189.40 A
Rated current 10°C according to IEC 60947	182.40 A
Rated current 15°C according to IEC 60947	178.70 A
Rated current 20°C according to IEC 60947	175.20 A
Rated current 25°C according to IEC 60947	171.50 A
Rated current 30°C according to IEC 60947	167.80 A
Rated current at 35°C according to IEC 60947	163.80 A
Rated current at 40°C according to IEC 60947	160 A
Rated current 45°C according to IEC 60947	156 A
Rated current 50°C according to IEC 60947	152 A
Rated current 55°C according to IEC 60947	147.60 A
Rated current 5°C according to IEC 60947	185.90 A
Rated current at 60°C according to IEC 60947	143.50 A
Rated current 65°C according to IEC 60947	139.20 A
Rated current 70°C according to IEC 60947	134.80 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	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 415 V
Functions	
Trip unit	TM A/A
Power	
Total power loss under IN	32.60 W
Endurance	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	35 - 150 mm^2
Cross-section rigid conductor	35 - 185 mm^2
Settings	
Thermal protection knob setting xIN	0.63 0.8 1
Adjustment range short-term delayed short-circuit release	0 - 0 A
Compatibility	
Suitable for DIN Rail	No

Installation, mounting	
Mounting-/Connection Position	Front
Nominal tightening torque	12 - 12 Nm

Main electrical attributes	
Magnetic protection trip time	0 - 0 ms

Sustainability	
REACh-SVHC free	Yes
RoHS conform	Yes