



HNB100U

Moulded Case Circuit Breaker X250 3P 40kA 100A TM

Technical characteristics

Architecture

Number of poles	3 P
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Functions

Complete device with protection unit	Yes
Trip Unit	TM A/A
Integrated earth fault protection	No

Main electrical features

Rated operational voltage Ue	220 / 415 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

Electric current

Rated current	100 A
Thermal protection nob setting xIN	0.63 / 0.8 / 1
Breaking capacity on 1 pole for IT 400V NF 60947-2	9 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	40 kA

Current correction factors

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1
Correction factor of rating current for 6 devices placed side-by-side	1

Power

Total power loss under IN	24.8 W
Power loss per pole at In	8.3 W

Tripping

Tripmode	TM
Time of response when opening	10 ms
Endurance	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
Installation, mounting	
DIN rail mounting with optional adaptor	Yes
Connection	
Connection cross-sect. flexible conductor	35 / 150mm ²
Type of connection	Terminal
Settings	
Range of the magnetic adjustment	600 / 800 / 1000 / 1300 A
Equipment	
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	0
Motor drive optional	Yes
Use cases	
Category of use	A
Standards	
Standard text	IEC 60947-2
Safety	
REACH conform	Yes
RoHS conform	Yes
Use conditions	
Operating temperature	-25...70 °C
Altitude	2000 m
Storage/transport temperature	-35...70 °C