



HNB101U

Moulded Case Circuit Breaker X250 4P 40kA 100A TM

Technical characteristics

Architecture

Type of order	Toggle
Number of poles	4 P
Type of pole	4P4D N:0/100%

Functions

Complete device with protection unit	Yes
Trip Unit	TM A/A
With integrated earth leakage 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

Trip mode	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
Connection cross-sect. rigid cable	35 / 185mm ²
Connection	Front connection
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
Halogen free	No

Use conditions

Operating temperature	-25...70 °C
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-35...70 °C