



HNB125Z

Moulded Case Circuit Breaker x250 3P 40kA 125A TM

Technical Features

Electric current

Rated current	125 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 ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2	4 kA
Rated current 10°C according to IEC 60947	155.30 A
Rated current 15°C according to IEC 60947	151.80 A
Rated current 20°C according to IEC 60947	148.30 A
Rated current 25°C according to IEC 60947	144.60 A
Rated current 30°C according to IEC 60947	141 A
Rated current at 35°C according to IEC 60947	137.10 A
Rated current at 40°C according to IEC 60947	133.10 A
Rated current 45°C according to IEC 60947	129.10 A
Rated current 50°C according to IEC 60947	125 A
Rated current 55°C according to IEC 60947	120.60 A
Rated current at 60°C according to IEC 60947	116.20 A
Rated current 65°C according to IEC 60947	111.80 A
Rated current 70°C according to IEC 60947	107.20 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 U _{imp}	8000 V
Rated insulation voltage U _i	800 V

Functions

Trip unit	TM F/F
-----------	--------

Power

Total power loss under I _N	27.70 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

Installation, mounting

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

Settings

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

Compatibility

Suitable for DIN Rail	No
-----------------------	----

Main electrical attributes

Magnetic protection trip time	0 - 0 ms
-------------------------------	----------

Sustainability

REACH-SVHC free	Yes
-----------------	-----

RoHS conform	Yes
--------------	-----
