

40 kA

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HNB101Z

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 F/F
Integrated earth fault protection	No
Configuration	
Number of modules	8
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
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	4 kA
Thermal protection nob setting xIN	1
Thermal setting current on neutral pole	1 In
Breaking capacity on 1 pole for IT 230V NF 60947-2	51 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	9 kA
Rated service breaking capacity Ics AC according IEC 60947-2	50 %
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	85 kA

Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2

Rated ultimate short-circuit breaking

capacity Icu under 415V AC IEC 60947-2

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 4 and 5 devices placed side-by-side 1 Correction factor of rating current for 6 devices placed side-by-side 1 Power 1 Total power loss under IN 1.7.7 W Power loss per pole at In 5.9 w Tripping TM Thermal protection trip time 0 ms Time of response when opening 10 ms Electrical specifications 100 ms Magnetic trip delay time 0 ms Electric endurance in number of cycles 100 ms Number of mechanical operations 400 ms Versitalistion, mounting Yes Connection 35 / 150 mm² Connection 35 / 150 mm² Connection cross-sect. figid cable 35 / 150 mm² Connection cross-sect. figid cable 35 / 150 mm² Electrics appeared appea	Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	30 kA
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Use cases		0
	Motor drive optional	Yes
Category of use A	Use cases	
	Category of use	А

Standards	
Standard text	IEC 60947-2
European directive WEEE	concerned
Safety	
REACH conform	Yes
RoHS conform	Yes
Use conditions	
Operating temperature	-2570 °C
Altitude	2000 m
Air humidity protection	for all climates
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Storage/transport temperature

-35...70 °C