



HNT101NR

Moulded Case Circuit Breaker h3+ P250 Energy 4P4D N0-50-100% 100A 40kA FTC

Technical properties

Electric current

Rated current	100 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	50 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 415 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2	6 kA
Rated service breaking capacity I _{cs} under 220 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I _{cs} under 240 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I _{cs} under 380 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I _{cs} under 415 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I _{cs} under 690 V AC according to IEC 60947-2	6 kA
Rated current 10°C according to IEC 60947	100 A
Rated current 15°C according to IEC 60947	100 A
Rated current 20°C according to IEC 60947	100 A
Rated current 25°C according to IEC 60947	100 A
Rated current 30°C according to IEC 60947	100 A
Rated current at 35°C according to IEC 60947	100 A
Rated current at 40°C according to IEC 60947	100 A
Rated current 45°C according to IEC 60947	100 A
Rated current 50°C according to IEC 60947	100 A
Rated current 55°C according to IEC 60947	100 A
Rated current at 60°C according to IEC 60947	100 A
Rated current 65°C according to IEC 60947	100 A
Rated current 70°C according to IEC 60947	100 A

Architecture

Number of poles	4
Control/operation element	Toggle

Device construction type	Fixed built-in
Neutral position	Left
Frequency	
Frequency	50 - 60 Hz
Voltage	
Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V
Functions	
Trip unit	ENERGY
Power	
Total power loss under IN	7.20 W
Endurance	
Electric endurance in number of cycles	10,000
Number of mechanical operations	40,000
Installation, mounting	
Nominal tightening torque	12 - 12 Nm
Mounting-/Connection Position	Front
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	35 - 150 mm ²
Cross-section rigid conductor	35 - 185 mm ²
Cover, door	
Interlockable	Yes
Cable	
Cable material	Copper, Aluminium
Compatibility	
Compatible with RDC AOB	Yes
Suitable for DIN Rail	No
Suitable for distribution board	Yes
Dimensions	
Height	165 mm
Width	140 mm
Depth	97 mm
Settings	
Adjustment range short-term delayed short-circuit release	60 - 1,000 A

Electrical protection

Subject to technical modifications

Long-time overload protection (ltd): delay (tr)	0.5 s, 1.5 s, 2.5 s, 5 s, 7.5 s, 9 s, 10 s, 12 s, 14 s, 16 s
Short-time protection (std): current (Isd)	1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10
Short-time protection (std): delay (tsd)	50 ms, 100 ms, 200 ms, 300 ms, 400 ms
Instantaneous protection (li): dial setting coefficient	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15
