



HNT040NR

## Moulded Case Circuit Breaker h3+ P250 Energy 3P3D 40A 40kA FTC

### Technical characteristics

#### Electric current

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

#### Architecture

Number of poles	3
Control/operation element	Toggle

Device construction type	Fixed built-in
Neutral position	Without neutral
<b>Frequency</b>	
Frequency	50 - 60 Hz
<b>Voltage</b>	
Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V
<b>Functions</b>	
Trip unit	ENERGY
<b>Power</b>	
Total power loss under IN	1.14 W
<b>Endurance</b>	
Electric endurance in number of cycles	10,000
Number of mechanical operations	40,000
<b>Installation, mounting</b>	
Nominal tightening torque	12 - 12 Nm
Mounting-/Connection Position	Front
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Connection</b>	
Cross-section flexible conductor	35 - 150 mm²
Cross-section rigid conductor	35 - 185 mm²
<b>Cover, door</b>	
Interlockable	Yes
<b>Cable</b>	
Cable material	Copper, Aluminium
<b>Compatibility</b>	
Compatible with RDC AOB	No
Suitable for DIN Rail	No
Suitable for distribution board	Yes
<b>Dimensions</b>	
Height	165 mm
Width	105 mm
Depth	97 mm
<b>Settings</b>	
Adjustment range short-term delayed short-circuit release	24 - 400 A
<b>Electrical protection</b>	

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