



HNT250LR

**Moulded Case Circuit Breaker h3+ P250 LSIG 3P3D 250A 40kA FTC**

**Technical Features**

**Electric current**

Rated current	250 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 415 V AC IEC 60947-2	40 kA
Breaking capacity on 1-pole for AC 230 V IEC 60947-2	2.50 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	2.50 kA

**Architecture**

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

**Electric current**

Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 690 V AC IEC 60947-2	6 kA
Rated service breaking capacity I <sub>cs</sub> under 220 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I <sub>cs</sub> under 240 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I <sub>cs</sub> under 380 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I <sub>cs</sub> under 415 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I <sub>cs</sub> under 690 V AC according to IEC 60947-2	6 kA
Rated current 10°C according to IEC 60947	250 A
Rated current 15°C according to IEC 60947	250 A
Rated current 20°C according to IEC 60947	250 A
Rated current 25°C according to IEC 60947	250 A
Rated current 30°C according to IEC 60947	250 A
Rated current at 35°C according to IEC 60947	250 A
Rated current at 40°C according to IEC 60947	250 A
Rated current 45°C according to IEC 60947	250 A
Rated current 50°C according to IEC 60947	250 A
Rated current 55°C according to IEC 60947	250 A
Rated current at 60°C according to IEC 60947	240 A
Rated current 70°C according to IEC 60947	200 A
Rated current 65°C according to IEC 60947	220 A

**Frequency**

Frequency	50 - 60 Hz
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**Settings**

Ir1 current dial setting	90 A
	100 A
	110 A
	125 A
	140 A
	160 A
	180 A
	200 A
	225 A
	250 A
Adjustment range short-term delayed short-circuit release	122.9 - 2500.0 A

**Installation, mounting**

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

**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
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<b>Voltage</b>	
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V
<b>Functions</b>	
Trip unit	LSIG
<b>Power</b>	
Total power loss under IN	45 W
Power loss per pole at In	15 W
<b>Endurance</b>	
Electric endurance in number of cycles	10000
Number of mechanical operations	40000
<b>Equipment</b>	
Number of auxiliary contacts as change-over contact	0
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Use conditions</b>	
Operating temperature	-25 - 70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
<b>Connection</b>	
Cross-section flexible conductor	35 - 150 mm <sup>2</sup>
<b>Cover, door</b>	
Interlockable	Yes
<b>Connection</b>	
Cross-section rigid conductor	35 - 185 mm <sup>2</sup>
Connector/plug type	Terminal
<b>Cable</b>	
Cable material	Copper Aluminium
<b>Dimensions</b>	
Height	165 mm
Depth	97 mm
<b>Controls and indicators</b>	
Motor drive integrated	No
<b>Compatibility</b>	
Suitable for DIN Rail	No
Compatible with RDC AOB	No
Suitable for distribution board	Yes
<b>Power supply</b>	
Position power supply	Bidirectional
<b>Electrical protection</b>	
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

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**Electrical protection**

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Short-time protection (std): current (Isd)	1.5
	2
	3
	4
	5
	6
	7
	8
	10

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Short-time protection (std): delay (tsd)	50 ms
	100 ms
	200 ms
	300 ms
	400 ms

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Instantaneous protection (li): dial setting coefficient	3
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	5
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	7
	8
	9
	10
	11

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**Sustainability**

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RoHS conform	Yes
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