



HET251NR

**Moulded Case Circuit Breaker h3+ P250 Energy 4P4D N0-50-100% 250A 70kA FTC**

**Technical Features**

**Electric current**

Rated current	250 A
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**Architecture**

Number of poles	4
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Control/operation element	Toggle
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Device construction type	Fixed built-in
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Neutral position	Left
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**Electric current**

Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	70 kA
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Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
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Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2	70 kA
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Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	6 kA
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Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2	85 kA
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Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	85 kA
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Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2	85 kA
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Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2	50 kA
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Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 kA
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Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2	50 kA
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Rated service breaking capacity Ics under 690 V AC according to IEC 60947-2	6 kA
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Rated current 10°C according to IEC 60947	250 A
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Rated current 15°C according to IEC 60947	250 A
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Rated current 20°C according to IEC 60947	250 A
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Rated current 25°C according to IEC 60947	250 A
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Rated current 30°C according to IEC 60947	250 A
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Rated current at 35°C according to IEC 60947	250 A
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Rated current at 40°C according to IEC 60947	250 A
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Rated current 45°C according to IEC 60947	250 A
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Rated current 50°C according to IEC 60947	250 A
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Rated current 55°C according to IEC 60947	250 A
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Rated current at 60°C according to IEC 60947	250 A
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Rated current 65°C according to IEC 60947	250 A
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Rated current 70°C according to IEC 60947	250 A
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Rated current 70°C according to IEC 60947	238.30 A
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**Frequency**

Frequency	50 - 60 Hz
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**Voltage**

Rated impulse withstand voltage Uimp	8000 V
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Rated insulation voltage Ui	800 V
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Rated operational voltage Ue	220 - 690 V
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**Power**

Total power loss under IN	45 W
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**Functions**

Trip unit	ENERGY
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**Endurance**

Electric endurance in number of cycles	10000
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Number of mechanical operations	40000
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**Safety**

Ingress Protection (IP) class	IP4X
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**Installation, mounting**

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

Cross-section flexible conductor	35 - 150 mm <sup>2</sup>
Cross-section rigid conductor	35 - 185 mm <sup>2</sup>

**Cover, door**

Interlockable	Yes
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**Cable**

Cable material	Copper Aluminium
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**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	150 - 2500 A
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**Electrical protection**

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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Short-time protection (std): current (lsd)	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
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**Electrical protection**

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

**Sustainability**

RoHS conform	Yes
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