



HET101NR

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

**Technical Features**

**Architecture**

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

**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

**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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**Dimensions**

Depth	97 mm
Height	165 mm
Width	140 mm

**Electrical protection**

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
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

**Electrical protection**

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

**Electric current**

Rated current	100 A
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 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 65°C according to IEC 60947	100 A
Rated current 70°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 at 60°C according to IEC 60947	100 A
Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 690 V AC according to IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	6 kA

**Endurance**

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

**Frequency**

Frequency	50 - 60 Hz
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**Functions**

Trip unit	ENERGY
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**Installation, mounting**

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

<b>Power</b>	
Total power loss under IN	7.20 W
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Settings</b>	
Adjustment range short-term delayed short-circuit release	60 - 1000 A
<b>Voltage</b>	
Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V