



HET100DR

### Moulded Case Circuit Breaker h3+ P250 TM ADJ 3P3D 100A 70kA FTC

#### Technical Features

##### Electric current

Rated current	100 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	50 kA
Rated current 10°C according to IEC 60947	129.60 A
Rated current 15°C according to IEC 60947	126.30 A
Rated current 20°C according to IEC 60947	122.90 A
Rated current 25°C according to IEC 60947	119.40 A
Rated current 30°C according to IEC 60947	115.80 A
Rated current at 35°C according to IEC 60947	112 A
Rated current at 40°C according to IEC 60947	108.20 A
Rated current 45°C according to IEC 60947	104.20 A
Rated current 50°C according to IEC 60947	100 A
Rated current 55°C according to IEC 60947	95.70 A
Rated current at 60°C according to IEC 60947	91.10 A
Rated current 65°C according to IEC 60947	86.30 A
Rated current 70°C according to IEC 60947	81.20 A

##### Architecture

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

##### Frequency

Frequency	50 - 60 Hz
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##### Voltage

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V
Rated operational voltage U <sub>e</sub>	220 - 690 V

##### Functions

Trip unit	TM A/A
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##### Power

Total power loss under I <sub>N</sub>	18 W
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##### Endurance

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

##### Safety

Ingress Protection (IP) class	IP4X
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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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##### Settings

Thermal protection knob setting xI <sub>N</sub>	0.63 0.8 1
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<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>	
Dimensions	165 x 105 mm
Height	165 mm
Width	105 mm
Depth	97 mm
<b>Installation, mounting</b>	
Mounting-/Connection Position	Front
Nominal tightening torque	12 - 12 Nm
<b>Electrical protection</b>	
Instantaneous protection (li): dial setting coefficient	6 8 10 13