



HMT100DR

Moulded Case Circuit Breaker h3+ P250 TM ADJ 3P3D 100A 50kA FTC

Technical characteristics

Electric current

Rated current	100 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	65 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	65 kA
Rated service breaking capacity Ics 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
-----------	------------

Voltage

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V

Functions

Trip unit	TM A/A
Power	
Total power loss under IN	18 W
Endurance	
Electric endurance in number of cycles	10,000
Number of mechanical operations	40,000
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	35 - 150 mm ²
Cross-section rigid conductor	35 - 185 mm ²
Cover, door	
Interlockable	Yes
Settings	
Thermal protection knob setting xIN	0.63, 0.8, 1
Cable	
Cable material	Copper, Aluminium
Compatibility	
Compatible with RDC AOB	No
Suitable for DIN Rail	No
Suitable for distribution board	Yes
Dimensions	
Height	165 mm
Width	105 mm
Depth	97 mm
Downstream busbar: width, height, diameter screw (max.)	4 mm, 8.5 mm, 25 mm
Top stream busbar: width, height, diameter screw (max.)	4 mm, 8.5 mm, 25 mm
Installation, mounting	
Mounting-/Connection Position	Front
Nominal tightening torque	12 - 12 Nm
Nominal tightening torque down terminal	12 - 12 Nm
Nominal tightening torque top terminal	12 - 12 Nm
Electrical protection	
Instantaneous protection (Ii): dial setting coefficient	6, 8, 10, 13