



HMT251GR

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

Technical Features

Electric current

Rated current	250 A
Rated ultimate short-circuit breaking capacity I _{cu} under 230 V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 415 V AC IEC 60947-2	50 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	4
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Left

Electric current

Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	65 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	50 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 65°C according to IEC 60947	220 A
Rated current 70°C according to IEC 60947	200 A

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

Frequency

Frequency	50 - 60 Hz
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Installation, mounting

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

Voltage

Rated impulse withstand voltage U _{imp}	8000 V
Rated insulation voltage U _i	800 V
Rated operational voltage U _e	220 - 690 V

Functions

Trip unit	LSNI
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Power	
Total power loss under I _N	45 W
Power loss per pole at I _N	15 W
Endurance	
Electric endurance in number of cycles	10000
Number of mechanical operations	40000
Equipment	
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
Safety	
Ingress Protection (IP) class	IP4X
Use conditions	
Operating temperature	-25 - 70 °C
Connection	
Cross-section flexible conductor	35 - 150 mm ²
Cross-section rigid conductor	35 - 185 mm ²
Connector/plug type	Terminal
Cable	
Cable material	Copper Aluminium
Dimensions	
Height	165 mm
Width	140 mm
Depth	97 mm
Controls and indicators	
Motor drive integrated	No
Compatibility	
Suitable for DIN Rail	No
Compatible with RDC AOB	Yes
Suitable for distribution board	Yes
Power supply	
Position power supply	Bidirectional
Electrical protection	
Long-time overload protection (I _{td}): delay (t _r)	5 s
Short-time protection (I _{sd}): current (I _{sd})	1.5 2 3 4 5 6 7 8 10
Short-time protection (I _{sd}): delay (t _{sd})	100 ms
Instantaneous protection (I _i): dial setting coefficient	11
Sustainability	
RoHS conform	Yes