



HMT041GR

**Moulded Case Circuit Breaker h3+ P250 LSNI 4P4D N0-50-100% 40A 50kA FTC**

**Technical Features**

**Electric current**

Rated current	40 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu 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 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	40 A
Rated current 15°C according to IEC 60947	40 A
Rated current 20°C according to IEC 60947	40 A
Rated current 25°C according to IEC 60947	40 A
Rated current 30°C according to IEC 60947	40 A
Rated current at 35°C according to IEC 60947	40 A
Rated current at 40°C according to IEC 60947	40 A
Rated current 45°C according to IEC 60947	40 A
Rated current 50°C according to IEC 60947	40 A
Rated current 55°C according to IEC 60947	40 A
Rated current at 60°C according to IEC 60947	40 A
Rated current 65°C according to IEC 60947	40 A
Rated current 70°C according to IEC 60947	40 A

**Settings**

Ir1 current dial setting	16 A
	18 A
	20 A
	22 A
	25 A
	28 A
	32 A
	34 A
	37 A
	40 A
Adjustment range short-term delayed short-circuit release	21.9 - 400.0 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 Uimp	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V

**Functions**

Trip unit	LSNI
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<b>Power</b>	
Total power loss under IN	1.14 W
Power loss per pole at In	0.38 W
<b>Endurance</b>	
Electric endurance in number of cycles	10000
Number of mechanical operations	40000
<b>Equipment</b>	
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
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Use conditions</b>	
Operating temperature	-25 - 70 °C
<b>Connection</b>	
Cross-section flexible conductor	35 - 150 mm <sup>2</sup>
Cross-section rigid conductor	35 - 185 mm <sup>2</sup>
Connector/plug type	Terminal
<b>Cable</b>	
Cable material	Copper Aluminium
<b>Dimensions</b>	
Height	165 mm
Width	140 mm
Depth	97 mm
<b>Controls and indicators</b>	
Motor drive integrated	No
<b>Compatibility</b>	
Suitable for DIN Rail	No
Compatible with RDC AOB	Yes
Suitable for distribution board	Yes
<b>Power supply</b>	
Position power supply	Bidirectional
<b>Electrical protection</b>	
Long-time overload protection (ltd): delay (tr)	5 s
Short-time protection (std): current (Isd)	1.5 2 3 4 5 6 7 8 10
Short-time protection (std): delay (tsd)	100 ms
Instantaneous protection (ii): dial setting coefficient	15
<b>Sustainability</b>	
RoHS conform	Yes