



HMS040GC

## Moulded Case Circuit Breaker h3+ P160 LSnl 3P3D 40A 50kA CTC

### Technical characteristics

#### 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
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

#### Architecture

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

#### 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
<b>Frequency</b>	
Frequency	50 - 60 Hz
<b>Installation, mounting</b>	
Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front
<b>Voltage</b>	
Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V
<b>Functions</b>	
Trip unit	LSNI
<b>Power</b>	
Total power loss under IN	1.68 W
Power loss per pole at In	0.56 W
<b>Endurance</b>	
Electric endurance in number of cycles	10,000
Number of mechanical operations	40,000
<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	6 - 70 mm²
Cross-section rigid conductor	6 - 95 mm²
<b>Cable</b>	
Cable material	Copper
<b>Dimensions</b>	
Height	130 mm
Width	90 mm
Depth	97 mm

**Controls and indicators**

Motor drive integrated	No
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**Compatibility**

Suitable for DIN Rail	No
Compatible with RDC AOB	No
Suitable for distribution board	Yes

**Power supply**

Position power supply	Bidirectional
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**Electrical protection**

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 (li): dial setting coefficient	15