



HMS040BC

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

Technical Features

Electric current

Rated current	40 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 ultimate short-circuit breaking capacity Icu under 660 V AC IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	6 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 kA

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 Uimp	8000 V
Rated insulation voltage Ui	800 V

Functions

Trip unit	MAG (ICB)
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Power

Total power loss under IN	27.90 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	6 - 70 mm ²
Cross-section rigid conductor	6 - 95 mm ²

Installation, mounting

Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front

Connectivity

Type of connection	Screw terminal
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Cover, door

Interlockable	Yes
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Cable

Cable material	Copper
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Dimensions

Height	130 mm
Width	90 mm
Depth	97 mm

Compatibility

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

Installation, mounting

Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm

Electrical protection

Instantaneous protection (li): dial setting coefficient	6
	8
	10
	12

Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes