



HMS050BC

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

Technical Features

Electric current

Rated current	50 A
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 240 V AC IEC 60947-2	65 kA
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

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 U_{imp}	8000 V
Rated insulation voltage U_i	800 V

Functions

Trip unit	MAG (ICB)
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Power

Total power loss under I_N	22.50 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

Product Datasheet

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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