



HMS051BC

**Moulded Case Circuit Breaker h3+ P160 MAG 4P4D 50A 50kA CTC**

**Technical Features**

**Electric current**

Rated current	50 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	65 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 660 V AC IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 690 V AC IEC 60947-2	6 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	50 kA

**Architecture**

Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Left

**Frequency**

Frequency	50 - 60 Hz
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**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V
Rated operational voltage U <sub>e</sub>	220 - 690 V

**Functions**

Trip unit	MAG (ICB)
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**Power**

Total power loss under I <sub>N</sub>	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 <sup>2</sup>
Cross-section rigid conductor	6 - 95 mm <sup>2</sup>

**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	120 mm
Depth	97 mm

**Compatibility**

Compatible with RDC AOB	No
Suitable for DIN Rail	No

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**Compatibility**

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Suitable for distribution board	Yes
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**Installation, mounting**

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Nominal tightening torque down terminal	6 - 6 Nm
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Nominal tightening torque top terminal	6 - 6 Nm
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**Electrical protection**

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Instantaneous protection (li): dial setting coefficient	6
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	10
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**Sustainability**

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REACH-SVHC free	Yes
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RoHS conform	Yes
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