



HMS125BC

**Moulded Case Circuit Breaker h3+ P160 MAG 3P3D 125A 50kA CTC**

**Technical Features**

**Electric current**

Rated current	125 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	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

**Frequency**

Frequency	50 - 60 Hz
-----------	------------

**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)
-----------	-----------

**Power**

Total power loss under I <sub>N</sub>	32.10 W
---------------------------------------	---------

**Endurance**

Electric endurance in number of cycles	10000
Number of mechanical operations	40000

**Safety**

Ingress Protection (IP) class	IP4X
-------------------------------	------

**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
--------------------	----------------

**Cover, door**

Interlockable	Yes
---------------	-----

**Cable**

Cable material	Copper
----------------	--------

**Dimensions**

Height	130 mm
Width	90 mm
Depth	97 mm

**Compatibility**

Compatible with RDC AOB	No
Suitable for DIN Rail	No

---

**Compatibility**

---

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
--------------	-----

---