



HMS081BC

Moulded Case Circuit Breaker h3+ P160 MAG 4P4D 80A 50kA CTC

Technical Features

Electric current

Rated current	80 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 ultimate short-circuit breaking capacity I _{cu} under 660 V AC IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2	6 kA
Rated service breaking capacity I _{cs} 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
-----------	------------

Voltage

Rated impulse withstand voltage U _{imp}	8000 V
Rated insulation voltage U _i	800 V
Rated operational voltage U _e	220 - 690 V

Functions

Trip unit	MAG (ICB)
-----------	-----------

Power

Total power loss under I _N	17.70 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 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
--------------------	----------------

Cover, door

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

Cable

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

Dimensions

Height	130 mm
Width	120 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
--------------	-----
