



HHA081Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 80A 25kA CTC

Technical Features

Electric current

Rated current I_N	80 A
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 240 V AC IEC 60947-2	35 kA
Rated service breaking capacity I_{cs} under 230 V AC according to IEC 60947-2	25 kA
Rated service breaking capacity I_{cs} under 400 V AC according to IEC 60947-2	20 kA
Rated current at 10°C according to IEC 60947	101.90 A
Rated current at 15°C according to IEC 60947	99.40 A
Rated current at 20°C according to IEC 60947	96.90 A
Rated current at 25°C according to IEC 60947	94.30 A
Rated current at 30°C according to IEC 60947	91.60 A
Rated current at 35°C according to IEC 60947	88.80 A
Rated current at 40°C according to IEC 60947	86 A
Rated current at 45°C according to IEC 60947	83 A
Rated current at 50°C according to IEC 60947	80 A
Rated current at 55°C according to IEC 60947	76.80 A
Rated current at 60°C according to IEC 60947	73.40 A
Rated current at 65°C according to IEC 60947	70 A
Rated current at 70°C according to IEC 60947	66.30 A

Architecture

Number of poles	4
-----------------	---

Tripping

Response time when opening	10 ms
----------------------------	-------

Frequency

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

Voltage

Rated impulse withstand voltage U_{imp}	8000 V
Rated insulation voltage U_i	690 V
Rated operational voltage U_e	220 - 415 V

Functions

Trip unit	TM F/F
-----------	--------

Power

Power dissipation at I_N	18.90 W
----------------------------	---------

Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

Safety

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

Connection

Cross-section flexible conductor	4 - 70 mm ²
Cross-section rigid conductor	4 - 95 mm ²

Connectivity

Type of connection	Screw terminal
--------------------	----------------

Settings

Thermal protection knob setting xIN	1
	1

Dimensions

Height	130 mm
--------	--------

Dimensions	
Width	100 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	No
Main electrical attributes	
Magnetic protection trip time	0 - 0 ms
Sustainability	
REACH-SVHC free	Yes
RoHS conform	Yes