



HHA078Z

Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 80A 25kA CTC

Technical Features

Electric current

Rated current I _N	80 A
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	20 kA
Rated current 10°C according to IEC 60947	106,90 A
Rated current 15°C according to IEC 60947	103,90 A
Rated current 20°C according to IEC 60947	100,90 A
Rated current 25°C according to IEC 60947	97,70 A
Rated current 30°C according to IEC 60947	94,40 A
Rated current at 35°C according to IEC 60947	91 A
Rated current at 40°C according to IEC 60947	87,50 A
Rated current 45°C according to IEC 60947	83,80 A
Rated current 50°C according to IEC 60947	80 A
Rated current 55°C according to IEC 60947	75,90 A
Rated current at 60°C according to IEC 60947	71,60 A
Rated current 65°C according to IEC 60947	67,10 A
Rated current 70°C according to IEC 60947	62,20 A

Architecture

Number of poles	1
Neutral position	Without neutral

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 - 240 V

Functions

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

Power

Power dissipation at I _N	4,80 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 xI _N	1
	1

Dimensions

Height	130 mm
Width	25 mm

Dimensions	
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