



HHA030E

Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 32A 25kA CTC

Technical Features

Electric current

Rated current	32 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	43.80 A
Rated current 15°C according to IEC 60947	42.50 A
Rated current 20°C according to IEC 60947	41.20 A
Rated current 25°C according to IEC 60947	39.80 A
Rated current 30°C according to IEC 60947	38.40 A
Rated current at 35°C according to IEC 60947	36.90 A
Rated current at 40°C according to IEC 60947	35.30 A
Rated current 45°C according to IEC 60947	33.70 A
Rated current 50°C according to IEC 60947	32 A
Rated current 55°C according to IEC 60947	30.10 A
Rated current at 60°C according to IEC 60947	28.20 A
Rated current 65°C according to IEC 60947	26.10 A
Rated current 70°C according to IEC 60947	23.90 A

Architecture

Number of poles	1
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 _{imp}	8000 V
Rated insulation voltage U _i	690 V

Functions

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

Power

Total power loss under I _N	2.81 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	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
--------------------	----------------

Settings

Thermal protection knob setting xI _N	1
	1
Adjustment range short-term delayed short-circuit release	0 - 0 A

Cable

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

Dimensions

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

Width	25 mm
-------	-------

Depth	68 mm
-------	-------

Compatibility

Suitable for DIN Rail	No
-----------------------	----

Installation, mounting

Nominal tightening torque down terminal	6 - 6 Nm
---	----------

Nominal tightening torque top terminal	6 - 6 Nm
--	----------

Sustainability

REACH-SVHC free	Yes
-----------------	-----

RoHS conform	Yes
--------------	-----