



HHA038Z

### Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 40A 25kA CTC

#### Technical Features

##### Electric current

Rated current	40 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	20 kA
Rated current 10°C according to IEC 60947	50.10 A
Rated current 15°C according to IEC 60947	49 A
Rated current 20°C according to IEC 60947	47.80 A
Rated current 25°C according to IEC 60947	46.60 A
Rated current 30°C according to IEC 60947	45.30 A
Rated current at 35°C according to IEC 60947	44 A
Rated current at 40°C according to IEC 60947	42.70 A
Rated current 45°C according to IEC 60947	41.40 A
Rated current 50°C according to IEC 60947	40 A
Rated current 55°C according to IEC 60947	38.50 A
Rated current at 60°C according to IEC 60947	37 A
Rated current 65°C according to IEC 60947	35.40 A
Rated current 70°C according to IEC 60947	33.70 A

##### Architecture

Number of poles	1
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

##### Tripping

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

##### Frequency

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

##### Voltage

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	690 V

##### Functions

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

##### Power

Total power loss under I <sub>N</sub>	3.70 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 <sup>2</sup>
Cross-section rigid conductor	4 - 95 mm <sup>2</sup>

##### Installation, mounting

Mounting-/Connection Position	Front
-------------------------------	-------

##### Connectivity

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

##### Settings

Thermal protection knob setting xI <sub>N</sub>	1
	1

**Dimensions**

Height	130 mm
Width	25 mm
Depth	68 mm

**Compatibility**

Suitable for DIN Rail	Yes
-----------------------	-----

**Main electrical attributes**

Magnetic protection trip time	0 - 0 ms
-------------------------------	----------

**Sustainability**

REACH-SVHC free	Yes
RoHS conform	Yes