



HHA048Z

### Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 50A 25kA CTC

#### Technical Features

##### Electric current

Rated current	50 A
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	20 kA
Rated current 10°C according to IEC 60947	61 A
Rated current 15°C according to IEC 60947	59,80 A
Rated current 20°C according to IEC 60947	58,50 A
Rated current 25°C according to IEC 60947	57,10 A
Rated current 30°C according to IEC 60947	55,80 A
Rated current at 35°C according to IEC 60947	54,40 A
Rated current at 40°C according to IEC 60947	52,90 A
Rated current 45°C according to IEC 60947	51,50 A
Rated current 50°C according to IEC 60947	50 A
Rated current 55°C according to IEC 60947	48,40 A
Rated current at 60°C according to IEC 60947	46,80 A
Rated current 65°C according to IEC 60947	45,10 A
Rated current 70°C according to IEC 60947	43,40 A

##### Architecture

Number of poles	1
Neutral position	Without neutral

##### Tripping

Response time when opening	10 ms
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##### Frequency

Frequency	50 - 60 Hz
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##### Voltage

Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	690 V

##### Functions

Trip unit	TM F/F
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##### Power

Total power loss under IN	5 W
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##### Endurance

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

##### Safety

Ingress Protection (IP) class	IP4X
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##### Connection

Cross-section flexible conductor	4 - 70 mm <sup>2</sup>
Cross-section rigid conductor	4 - 95 mm <sup>2</sup>

##### Connectivity

Type of connection	Screw terminal
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##### Settings

Thermal protection knob setting xIN	1
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##### Dimensions

Height	130 mm
Width	25 mm
Depth	68 mm

<b>Compatibility</b>	
Suitable for DIN Rail	No
<b>Main electrical attributes</b>	
Magnetic protection trip time	0 - 0 ms
<b>Sustainability</b>	
REACH-SVHC free	Yes
RoHS conform	Yes