



HDA048Z

**Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 50A 18kA CTC**

**Technical Features**

**Electric current**

Rated current	50 A
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	18 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
	1

**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