



HDA048Z

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

Technical properties

Electric current

Rated current	50 A
Rated ultimate short-circuit breaking capacity I_{cu} under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity I_{cs} under 230 V AC according to IEC 60947-2	18 kA

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
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Frequency

Frequency	50 - 60 Hz
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Voltage

Rated impulse withstand voltage U_{imp}	8,000 V
Rated insulation voltage U_i	690 V

Functions

Trip unit	TM F/F
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Power

Total power loss under I_N	5 W
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Endurance

Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000

Safety

Ingress Protection (IP) class	IP4X
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Connection

Cross-section flexible conductor	4 - 70 mm ²
Cross-section rigid conductor	4 - 95 mm ²

Installation, mounting

Mounting-/Connection Position	Front
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Connectivity

Type of connection	Screw terminal
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Settings

Thermal protection knob setting xIN	1, 1
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Dimensions

Height	130 mm
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Width	25 mm
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Depth	68 mm
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Compatibility

Suitable for DIN Rail	Yes
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Main electrical attributes

Magnetic protection trip time	0 - 0 ms
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