



HDA033Z

### Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 32A 18kA CTC

#### Technical Features

##### Electric current

Rated current	32 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	18 kA
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	25 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	18 kA
Rated current 10°C according to IEC 60947	42 A
Rated current 15°C according to IEC 60947	40.90 A
Rated current 20°C according to IEC 60947	39.80 A
Rated current 25°C according to IEC 60947	38.60 A
Rated current 30°C according to IEC 60947	37.30 A
Rated current at 35°C according to IEC 60947	36.10 A
Rated current at 40°C according to IEC 60947	34.70 A
Rated current 45°C according to IEC 60947	33.40 A
Rated current 50°C according to IEC 60947	32 A
Rated current 55°C according to IEC 60947	30.50 A
Rated current at 60°C according to IEC 60947	28.90 A
Rated current 65°C according to IEC 60947	27.20 A
Rated current 70°C according to IEC 60947	25.40 A

##### Architecture

Number of poles	4
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##### 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	8.40 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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<b>Dimensions</b>		
Height		130 mm
Width		100 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