



HHA033Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 32A 25kA CTC

Technical characteristics

Electric current

Rated current	32 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	35 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	20 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
Control/operation element	Toggle
Device construction type	Fixed built-in

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	8,000 V
Rated insulation voltage Ui	690 V

Functions	
Trip unit	TM F/F
Power	
Total power loss under IN	8.40 W
Endurance	
Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	4 - 70 mm ²
Cross-section rigid conductor	4 - 95 mm ²
Connectivity	
Type of connection	Screw terminal
Settings	
Thermal protection knob setting xIN	1, 1
Dimensions	
Height	130 mm
Width	100 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	Yes
Installation, mounting	
Mounting-/Connection Position	Front
Main electrical attributes	
Magnetic protection trip time	0 - 0 ms