



HNA033Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 32A 40kA CTC

Technical Features

Electric current

Rated current I_N	32 A
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity I_{cs} under 230 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I_{cs} under 400 V AC according to IEC 60947-2	20 kA
Rated current at 10°C according to IEC 60947	42 A
Rated current at 15°C according to IEC 60947	40,90 A
Rated current at 20°C according to IEC 60947	39,80 A
Rated current at 25°C according to IEC 60947	38,60 A
Rated current at 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 at 45°C according to IEC 60947	33,40 A
Rated current at 50°C according to IEC 60947	32 A
Rated current at 55°C according to IEC 60947	30,50 A
Rated current at 60°C according to IEC 60947	28,90 A
Rated current at 65°C according to IEC 60947	27,20 A
Rated current at 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 U_{imp}	8000 V
Rated insulation voltage U_i	690 V
Rated operational voltage U_e	220 - 415 V

Functions

Trip unit	TM F/F
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Power

Power dissipation at I_N	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 ²
Cross-section rigid conductor	4 - 95 mm ²

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
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Dimensions	
Width	100 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	No
Main electrical attributes	
Magnetic protection trip time	0 - 0 ms
Sustainability	
REACH-SVHC free	Yes
RoHS conform	Yes