HNA160Z

Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 160A 40kA CTC

Technical characteristics

Electric current

Rated current	160 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	40 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	187.20 A
Rated current 15°C according to IEC 60947	184 A
Rated current 20°C according to IEC 60947	180.70 A
Rated current 25°C according to IEC 60947	177.40 A
Rated current 30°C according to IEC 60947	174.10 A
Rated current at 35°C according to IEC 60947	170.70 A
Rated current at 40°C according to IEC 60947	167.20 A
Rated current 45°C according to IEC 60947	163.60 A
Rated current 50°C according to IEC 60947	160 A
Rated current 55°C according to IEC 60947	156.20 A
Rated current at 60°C according to IEC 60947	152.40 A
Rated current 65°C according to IEC 60947	148.50 A
Rated current 70°C according to IEC 60947	144.40 A

Architecture

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

Tripping

Response time when opening	10 ms

Frequency

Frequency	50 - 60 Hz

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	43.80 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 mm²
Cross-section rigid conductor	4 - 95 mm²

Connectivity

Type of connection	Screw terminal

Settings

Thermal protection knob setting xIN	1, 1

Dimensions

Height	130 mm
Width	75 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