



HNA040Z

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

Technical Features

Electric current

Rated current	40 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	49.50 A
Rated current 15°C according to IEC 60947	48.40 A
Rated current 20°C according to IEC 60947	47.30 A
Rated current 25°C according to IEC 60947	46.10 A
Rated current 30°C according to IEC 60947	45 A
Rated current at 35°C according to IEC 60947	43.80 A
Rated current at 40°C according to IEC 60947	42.50 A
Rated current 45°C according to IEC 60947	41.30 A
Rated current 50°C according to IEC 60947	40 A
Rated current 55°C according to IEC 60947	38.60 A
Rated current at 60°C according to IEC 60947	37.20 A
Rated current 65°C according to IEC 60947	35.70 A
Rated current 70°C according to IEC 60947	34.20 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	8000 V
Rated insulation voltage Ui	690 V

Functions

Trip unit	TM F/F
-----------	--------

Power

Total power loss under IN	11 W
---------------------------	------

Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

Safety

Ingress Protection (IP) class	IP4X
-------------------------------	------

Connection

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

Installation, mounting

Mounting-/Connection Position	Front
-------------------------------	-------

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

Main electrical attributes

Magnetic protection trip time

0 - 0 ms

Sustainability

REACH-SVHC free

Yes

RoHS conform

Yes