



HNA080Z

Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 80A 40kA CTC

Technical Features

Architecture

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

Compatibility

Suitable for DIN Rail	Yes
-----------------------	-----

Connection

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

Connectivity

Type of connection	Screw terminal
--------------------	----------------

Dimensions

Depth	68 mm
Height	130 mm
Width	75 mm

Electric current

Rated current	80 A
Rated current 10°C according to IEC 60947	101.90 A
Rated current 15°C according to IEC 60947	99.40 A
Rated current 20°C according to IEC 60947	96.90 A
Rated current 25°C according to IEC 60947	94.30 A
Rated current 30°C according to IEC 60947	91.60 A
Rated current 45°C according to IEC 60947	83 A
Rated current 50°C according to IEC 60947	80 A
Rated current 55°C according to IEC 60947	76.80 A
Rated current 65°C according to IEC 60947	70 A
Rated current 70°C according to IEC 60947	66.30 A
Rated current at 35°C according to IEC 60947	88.80 A
Rated current at 40°C according to IEC 60947	86 A
Rated current at 60°C according to IEC 60947	73.40 A
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 ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	40 kA

Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

Frequency

Frequency	50 - 60 Hz
-----------	------------

Functions

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

Installation, mounting

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

Main electrical attributes

Magnetic protection trip time	0 - 0 ms
-------------------------------	----------

Power

Total power loss under IN	18.90 W
---------------------------	---------

Safety

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

Settings

Thermal protection knob setting xIN	1
-------------------------------------	---

	1
--	---

Tripping

Response time when opening	10 ms
----------------------------	-------

Voltage

Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	690 V

Sustainability

REACH conform	Yes
RoHS conform	Yes
