



HNA025Z

### Moulded Case Circuit Breaker x160 3P 40kA 25A

#### Technical Features

##### Electric current

Rated current	25 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 690 V AC IEC 60947-2	6 kA
Rated current 10°C according to IEC 60947	29.30 A
Rated current 15°C according to IEC 60947	28.80 A
Rated current 20°C according to IEC 60947	28.30 A
Rated current 25°C according to IEC 60947	27.70 A
Rated current 30°C according to IEC 60947	27.20 A
Rated current at 35°C according to IEC 60947	26.70 A
Rated current at 40°C according to IEC 60947	26.10 A
Rated current 45°C according to IEC 60947	25.50 A
Rated current 50°C according to IEC 60947	25 A
Rated current 55°C according to IEC 60947	24.40 A
Rated current at 60°C according to IEC 60947	23.70 A
Rated current 65°C according to IEC 60947	23.10 A
Rated current 70°C according to IEC 60947	22.50 A

##### Architecture

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in

##### Tripping

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

##### Frequency

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

##### Voltage

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	690 V

##### Functions

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

##### Power

Total power loss under I <sub>N</sub>	13.70 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 <sup>2</sup>
Cross-section rigid conductor	4 - 95 mm <sup>2</sup>

##### Installation, mounting

Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front

##### Connectivity

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

Product Datasheet

HNA025Z

<b>Settings</b>	
Thermal protection knob setting xIN	1
	1
Adjustment range short-term delayed short-circuit release	0 - 0 A
<b>Compatibility</b>	
Suitable for DIN Rail	No
<b>Main electrical attributes</b>	
Magnetic protection trip time	0 - 0 ms