



HNA040Z

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

#### Technical Features

##### Architecture

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

##### Compatibility

Suitable for DIN Rail	No
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##### Connection

Cross-section flexible conductor	4 - 70 mm <sup>2</sup>
Cross-section rigid conductor	4 - 95 mm <sup>2</sup>

##### Connectivity

Type of connection	Screw terminal
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##### Electric current

Rated current	40 A
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 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 65°C according to IEC 60947	35.70 A
Rated current 70°C according to IEC 60947	34.20 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 at 60°C according to IEC 60947	37.20 A
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
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##### Functions

Trip unit	TM F/F
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##### Installation, mounting

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

##### Main electrical attributes

Magnetic protection trip time	0 - 0 ms
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##### Power

Total power loss under IN	11 W
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##### Safety

Ingress Protection (IP) class	IP4X
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##### Settings

Adjustment range short-term delayed short-circuit release	0 - 0 A
Thermal protection knob setting xIN	1
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**Tripping**

Response time when opening	10 ms
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**Voltage**

Rated impulse withstand voltage $U_{imp}$	8000 V
Rated insulation voltage $U_i$	690 V