



HNE801H

## Moulded Case Circuit Breaker h1000 4P 50kA 800A LSI

### Technical properties

#### Electric current

Rated current	800 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	85 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	50 kA
Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2	50 kA
Breaking capacity on 1-pole for AC 230 V IEC 60947-2	51 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	9 kA

#### Architecture

Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in

#### Capacity

Number of modules	16
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#### Tripping

Response time when opening	10 ms
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#### Settings

Magnetic protection knob setting xIN	2.5, 5, 10
Range of magnetic adjustment	4480 A, 5600 A, 7000 A, 8960 A, 9600 A, 9600 A, 9600 A
Thermal protection knob setting xIN	0.4, 0.5, 0.63, 0.9, 0.95, 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

#### Frequency

Frequency	50 - 60 Hz
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#### Installation, mounting

Nominal tightening torque	65 - 65 Nm
Mounting-/Connection Position	Front

#### Voltage

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V

**Functions**

Trip unit	LSI
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**Main electrical attributes**

Magnetic protection trip time	100 - 200 ms
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**Power**

Total power loss under IN	153.60 W
Power loss per pole at In	51.20 W

**Endurance**

Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000

**Equipment**

Number of auxiliary contacts as change-over contact	0
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0

**Safety**

Ingress Protection (IP) class	IP4X
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**Use conditions**

Operating temperature	-25 - 70 °C
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**Connection**

Cross-section flexible conductor	2x 240 mm <sup>2</sup>
Cross-section rigid conductor	2x 240 mm <sup>2</sup>
Connector/plug type	Terminal

**Controls and indicators**

Motor drive integrated	No
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**Compatibility**

Suitable for DIN Rail	No
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**Power supply**

Position power supply	Bidirectional
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