HNE800H

Moulded Case Circuit Breaker h1000 3P 50kA 800A LSI

Technical characteristics

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

Capacity

Number of modules	12

Tripping

Response time when opening	10 ms

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

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

Subject to technical modifications

Rated operational voltage Ue	220 - 690 V

Functions

Trip unit	LSI

Main electrical attributes

Magnetic protection trip time	100 - 200 ms

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

Use conditions

Operating temperature	-25 - 70 °C

Connection

Cross-section flexible conductor	2x 240 mm²
Cross-section rigid conductor	2x 240 mm²
Connector/plug type	Terminal

Controls and indicators

Motor drive integrated	No

Compatibility

Suitable for DIN Rail	No

Power supply

Position power supply	Bidirectional