HNE970H

Moulded Case Circuit Breaker h1000 3P 50kA 1000A LSI

Technical properties

Electric current

Rated current	1000 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	75 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	45 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, 8
Range of magnetic adjustment	5600 A, 7000 A, 8820 A, 10000 A, 10000 A, 10000 A, 10000 A
Thermal protection knob setting xIN	0.4, 0.5, 0.63, 0.8, 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	8000 V
Rated insulation voltage Ui	800 V

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	186 W
Power loss per pole at In	62 W

Endurance

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

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