



HNE800H

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

**Technical Features**

**Electric current**

Rated current	800 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230 V AC IEC 60947-2	85 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 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> 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 xI <sub>N</sub>	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 xI <sub>N</sub>	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 U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V
Rated operational voltage U <sub>e</sub>	220 - 690 V

**Functions**

Trip unit	LSI
-----------	-----

**Main electrical attributes**

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

**Power**

Total power loss under I <sub>N</sub>	153.60 W
Power loss per pole at I <sub>n</sub>	51.20 W

**Endurance**

Electric endurance in number of cycles	1000
--	------

---

**Endurance**

---

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 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
------------------------	----

---

**Compatibility**

---

Suitable for DIN Rail	No
-----------------------	----

---

**Power supply**

---

Position power supply	Bidirectional
-----------------------	---------------

---

**Sustainability**

---

REACH-SVHC free	Yes
-----------------	-----

---

RoHS conform	Yes
--------------	-----

---