



HED400H

### Moulded Case Circuit Breaker h630 3P 70kA 400A LSI

#### Technical Features

##### Electric current

Rated current	400 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 415 V AC IEC 60947-2	70 kA
Breaking capacity on 1-pole for AC 230 V IEC 60947-2	60 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	8
-------------------	---

##### Tripping

Response time when opening	10 ms
----------------------------	-------

##### Settings

Magnetic protection knob setting xI <sub>N</sub>	2.5
	5
	10
Range of magnetic adjustment	2240 A
	2800 A
	3500 A
	4480 A
	5040 A
	5200 A
	5200 A
Thermal protection knob setting xI <sub>N</sub>	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	22 - 22 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>	62.40 W
Power loss per pole at I <sub>N</sub>	20.80 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	35 - 240 mm <sup>2</sup>
Cross-section rigid conductor	35 - 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
-----------------------	---------------