



HND401H

## Moulded Case Circuit Breaker h630 4P 50kA 400A LSI

### Technical characteristics

#### Electric current

Rated current	400 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	10.50
-------------------	-------

#### Tripping

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

#### Settings

Magnetic protection knob setting xIN	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 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	22 - 22 Nm
Mounting-/Connection Position	Front

#### Voltage

Rated impulse withstand voltage Uimp	8,000 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	62.40 W
---------------------------	---------

Power loss per pole at In	20.80 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	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
-----------------------	---------------