



HND251H

**MCCB h630 4P 50kA 250A LSI**

Product Datasheet

**Architecture**

Type of order	Toggle
Number of poles	4 P
Type of pole	4P4D N:0;50;100%

**Functions**

Complete device with protection unit	yes
Trip Unit	LSI
Integrated earth fault protection	no

**Compatibility**

Compatible with DIN rail mounting	no
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**Main electrical features**

Frequency	50/60 Hz
Rated operational voltage Ue	220/690 V

**Voltage**

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V
With under voltage release	no

**Electric current**

Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	50 kA
Rated service breaking capacity Ics AC according IEC 60947-2	100 %
Breaking capacity on 1 pole with 230 V NF 60947-2	51 kA
Breaking capacity on 1 pole with 400 V NF 60947-2	9 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	45 kA
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	20 kA
Thermal protection nob setting xIN	0,4/0,5/0,63/0,8/0,9/0,95/1
Thermal setting current on neutral pole	0/0,5/1 In

**Current correction factors**

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1
Correction factor of rating current for 6 devices placed side-by-side	1

**Power**

Power loss per pole at In	8,2 W
Total power loss under IN	24,6 W

**Tripping**

Tripmode	LSI
Thermal protection trip time	5/10/11/19/21/29 ms
Time of response when opening	10 ms

**Electrical specifications**

Magnetic trip delay time	100 to 200 ms
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**Endurance**

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

**Installation, mounting**

Tightening torque	22Nm
DIN rail mounting with optional adaptator	no

**Connection**

Connection cross-sect. rigid cable	35 / 240mm <sup>2</sup>
Connection cross-sect. flexible conductor	35 / 240mm <sup>2</sup>
Connection	Front connection
Type of connection	Terminal

**Settings**

Magnetic protection nob setting xIN	2,5/5/10
Setting type In or Ith	IrTh
Range of the magnetic adjustment	1400/1750/2240/2800/3150/3250/3250 A

**Equipment**

Motor drive optional	yes
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**Use cases**

Category of use	A
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**Standards**

Standard text	IEC 60947-2
European directive WEEE	concerned

**Safety**

Protection index IP	IP4X
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**Use conditions**

Altitude	2000 m
Storage temperature	-35 to 70 °C
Air humidity protection	for all climates