



HND401U

MCCB h400 4P 50kA 400A TM

Product Datasheet

Architecture

Type of order	Toggle
Number of poles	4 P
Type of pole	4P3D

Functions

Complete device with protection unit	yes
Trip Unit	TM A/A
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	0,63/0,8/1

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	25 W
Total power loss under IN	75 W

Tripping

Tripmode	TM
Time of response when opening	10 ms

Endurance

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

Installation, mounting

Tightening torque	22Nm
DIN rail mounting with optional adaptor	no

Connection

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

Settings

Magnetic protection nob setting xIN	6/8/10/12
Setting type In or Ith	IN
Range of the magnetic adjustment	2400/2800/3200/3600/4000/4400/4800 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
