

## MCCB h400 3P 50kA 250A TM

### Architecture

Type of order	Toggle
Type of case	Fixed built-in
Number of poles	3 P
Type of pole	3P3D

### Functions

Complete device with protection unit	yes
Trip Unit	TM A/A
Integrated earth fault protection	no

### Compatibility

Compatible with DIN rail mounting	no
-----------------------------------	----

### Controls and indicators

Motor drive integrated	no
------------------------	----

### 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 1 side-by-side

Correction factor of rating current for 3 devices placed 1 side-by-side

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

Correction factor of rating current for 6 devices placed 1 side-by-side

#### Power

Power loss per pole at  $I_n$  15,6 W

Power loss per pole at  $0.63 \cdot I_n$  6,2 W

Power loss per pole at  $0.8 \cdot I_n$  10 W

Total power loss under  $I_n$  46,8 W

Total power loss at  $0.63 \cdot I_n$  18,6 W

Total power loss at  $0.8 \cdot I_n$  30 W

#### Tripping

Trip mode 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 22 Nm

DIN rail mounting with optional adaptor no

#### Connection

Connection cross-sect. rigid cable 35 / 240 mm<sup>2</sup>

Connection cross-sect. flexible conductor 35 / 240 mm<sup>2</sup>

Connection Front connection

Type of connection Terminal

#### Settings

Magnetic protection nob setting  $\times I_n$  6/8/10/12

Setting type  $I_n$  or  $I_{th}$  IN

Range of the magnetic adjustment 1500/1750/2000/2250/2500/2750/3000 A

#### Equipment

Motor drive optional yes

#### Use cases

Category of use A

#### Standards

Standard text	IEC 60947-2
European directive WEEE	concerned

#### Safety

Protection index IP	IP4X
---------------------	------

#### Use conditions

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