

## MCCB h250 3P 25kA 20A 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
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### Controls and indicators

Motor drive integrated	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	25 kA
Rated service breaking capacity Ics AC according IEC 60947-2	76 %
Breaking capacity on 1 pole with 230 V NF 60947-2	21 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	35 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	15 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	1
Correction factor of rating current for 3 devices placed 1 side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1

Technical Properties

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

**Power**

Power loss per pole at $I_n$	6,2 W
Power loss per pole at $0.63 \cdot I_n$	2,4 W
Power loss per pole at $0.8 \cdot I_n$	3,9 W
Total power loss under $I_n$	18,5 W
Total power loss at $0.63 \cdot I_n$	7,2 W
Total power loss at $0.8 \cdot I_n$	11,8 W

**Tripping**

Trip mode	TM
Time of response when opening	20 ms

**Endurance**

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

**Installation, mounting**

Tightening torque	12Nm
DIN rail mounting with optional adaptor	no

**Connection**

Connection cross-sect. rigid cable	35 / 185mm <sup>2</sup>
Connection cross-sect. flexible conductor	35 / 150mm <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 $I_{th}$	$I_n$
Range of the magnetic adjustment	120/160/200/240 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