

## MCCB x160 4P 40kA 100A

### Technische Merkmale

#### Architecture

Type of order	Toggle
Type of case	Fixed built-in
Number of poles	4 P
Type of pole	4P4D

#### Functions

Complete device with protection unit	yes
Trip Unit	TM F/F
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	220/415 V

#### Voltage

Rated insulation voltage	690 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	40 kA
Rated service breaking capacity Ics AC according IEC 60947-2	50 %
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	40 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	6 kA
Thermal protection nob setting xIN	1
Thermal setting current on neutral pole	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 I <sub>n</sub>	13 W
Total power loss under I <sub>N</sub>	39 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	6Nm
DIN rail mounting with optional adaptator	yes

## Connection

Connection cross-sect. rigid cable	4 / 95mm <sup>2</sup>
Connection cross-sect. flexible conductor	4 / 70mm <sup>2</sup>
Connection	Front connection
Type of connection	with screw

## Settings

Setting type I <sub>n</sub> or I <sub>th</sub>	IN
Range of the magnetic adjustment	1500 A

## Equipment

Motor drive optional	no
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## Use cases

Category of use	A
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## Standards

Standard text	IEC 60947-2
European directive WEEE	not 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

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