



HNA040H

## MCCB X160 3P 40kA 40A

### Technische Merkmale

#### Architecture

Type of order	Toggle
Number of poles	3 P
Type of pole	3P3D

#### Functions

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

#### Compatibility

Compatible with DIN rail mounting	yes
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#### Main electrical features

Rated operational voltage Ue	220 / 415 V
Frequency	50/60 Hz

#### Voltage

Rated insulation voltage	690 V
Rated impulse withstand voltage	8 kV
With under voltage release	no

#### Electric current

Rated current	40 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	6 kA
Thermal protection nob setting xIN	0,63 / 0,8 / 1
Breaking capacity on 1 pole for IT 230V NF 60947-2	51 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	9 kA
Rated service breaking capacity Ics AC according IEC 60947-2	50 %
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 400V AC IEC 60947-2	40 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

### 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

Total power loss under I <sub>N</sub>	11 W
Power loss per pole at I <sub>N</sub>	3,7 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	no

### Connection

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

### Settings

Range of the magnetic adjustment	600 A
Setting type I <sub>N</sub> or I <sub>th</sub>	I <sub>N</sub>

### 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	concerned

### Safety

Protection index IP	IP4X
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Use conditions

Operating temperature	-25...70 °C
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-35...70 °C