



MCCB h3 x160 TM 3x40A 25kA

HHA040U

#### Architecture

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D

#### Functions

Trip Unit	TM A/F
Concurrently switching N-neutral	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

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
Thermal protection nob setting xIN	0,63 / 0,8 / 1
Rating current 10°C according to IEC 60947	49,8 A
Rating current 150°C according to IEC 60947	48,7 A
Rating current 20°C according to IEC 60947	47,5 A
Rating current 25°C according to IEC 60947	46,4 A
Rating current 30°C according to IEC 60947	45,2 A
Rating current 35°C according to IEC 60947	43,9 A
Rating current 40°C according to IEC 60947	42,6 A
Rating current 45°C according to IEC 60947	41,3 A
Rating current 50°C according to IEC 60947	40 A

#### Technical Properties

Rating current 55°C according to IEC 60947	38,5 A
Rating current 60°C according to IEC 60947	37,1 A
Rating current 65°C according to IEC 60947	35,6 A
Rating current 70°C according to IEC 60947	34 A
Rated service breaking capacity Ics under 220V AC according IEC 60947-2	25 kA
Rated service breaking capacity Ics under 230V AC according IEC 60947-2	25 kA
Rated service breaking capacity Ics under 240V AC according IEC 60947-2	25 kA
Rated service breaking capacity Ics under 380V AC according IEC 60947-2	20 kA
Rated service breaking capacity Ics under 400V AC according IEC 60947-2	20 kA
Rated service breaking capacity Ics under 415V AC according IEC 60947-2	20 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 400V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Range of the thermal adjustment	25 / 32 / 40 A
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 kA

#### Frequency

Frequency	50 to 60 Hz
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#### Power

Power loss per pole at 0.63*In	1,4 W
Power loss per pole at 0.8*In	2,3 W
Total power loss at 0.63*In	4,3 W
Total power loss at 0.8*In	7 W
Total power loss under IN	11 W
Power loss per pole at In	3,7 W

#### Endurance

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

#### Dimensions

Depth of installed product	68 mm
Height of installed product	130 mm
Width of installed product	75 mm
Critical distance switching emission/earthed part bottom	40 mm
Critical distance switching emission/earthed part left	50 mm
Critical distance switching emission/earthed part right	50 mm
Critical distance switching emission/earthed part top	40 mm
Critical distance switching emission/insulated plate	30 mm
Critical distance switching emission/live part	50 mm

#### Connection

Type of connection	with screw
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#### Settings

Range of the magnetic adjustment	600 A
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#### Equipment

Can be accessorized	yes
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#### Standards

Standard text	IEC 60947-2
European directive WEEE	concerned
Product categories described in the W3E directive 2012/19/EU	Category 5

#### Safety

Protection index IP	IP4X
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#### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m

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Temperature of calibration	50 °C
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