



MCCB h3 x160 TM 3x40A 25kA

HHA040Z

Architecture

Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D

Functions

Trip Unit	TM F/F
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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	25 kA
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

#### Technical Properties

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 380V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Thermal protection nob setting xIN	1
Range of the thermal adjustment	40 A

#### Electric current / temperature

Rating current 10°C according to IEC 60947-2	49,5 A
Rating current 150°C according to IEC 60947-2	48,4 A
Rating current 20°C according to IEC 60947-2	47,3 A
Rating current 25°C according to IEC 60947-2	46,1 A
Rating current 30°C according to IEC 60947-2	45 A
Rating current 35°C according to IEC 60947-2	43,8 A
Rating current 40°C according to IEC 60947-2	42,5 A
Rating current 45°C according to IEC 60947-2	41,3 A
Rating current 50°C according to IEC 60947-2	40 A
Rating current 55°C according to IEC 60947-2	38,6 A
Rating current 60°C according to IEC 60947-2	37,2 A
Rating current 65°C according to IEC 60947-2	35,7 A
Rating current 70°C according to IEC 60947-2	34,2 A

#### Power

Power loss per pole at In	3,7 W
Total power loss under IN	11 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

#### 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

#### temperatur

Temperature of calibration	50 °C
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