



HHA033Z

## Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 32A 25kA CTC

### Technical characteristics

#### Architecture

Number of protected poles	4
Number of poles	4 P

#### Functions

Trip Unit	TM F/F
Integrated earth fault protection	No

#### 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	32 A
Thermal protection nob setting xIN	1
Rating current 10°C according to IEC 60947	42 A
Rating current 15°C according to IEC 60947	40.9 A
Rating current 20°C according to IEC 60947	39.8 A
Rating current 25°C according to IEC 60947	38.6 A
Rating current 30°C according to IEC 60947	37.3 A
Rating current 35°C according to IEC 60947	36.1 A
Rating current 40°C according to IEC 60947	34.7 A
Rating current 45°C according to IEC 60947	33.4 A
Rating current 50°C according to IEC 60947	32 A
Rating current 55°C according to IEC 60947	30.5 A
Rating current 60°C according to IEC 60947	28.9 A
Rating current 65°C according to IEC 60947	27.2 A
Rating current 70°C according to IEC 60947	25.4 A
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	32 A
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 kA

#### Dimensions

Depth of installed product	68 mm
Height of installed product	130 mm
Width of installed product	100 mm

#### Frequency

Frequency	50 to 60 Hz
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#### Power

Total power loss under IN	8.4 W
Power loss per pole at In	2.8 W

#### Endurance

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

#### Connection

Type of connection	with screw
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#### Settings

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

Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	0
Can be accessorized	Yes

#### Standards

European directive WEEE	concerned
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#### Safety

REACH conform	Yes
RoHS conform	Yes
Halogen free	No

#### 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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Subject to technical modifications