



HHA014Z

### Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 16A 25kA CTC

#### Technical characteristics

##### Architecture

Type of order	Toggle
Neutral position	without neutral
Number of protected poles	1
Number of poles	1 P
Type of pole	1P1D
Type of case	Fixed built-in

##### Functions

Complete device with protection unit	Yes
Trip Unit	TM F/F
Integrated earth fault protection	No
Concurrently switching N-neutral	No

##### Controls and indicators

Motor drive integrated	No
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##### Main electrical features

Rated operational voltage Ue	220 / 240 V
Type of supply voltage	AC
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	16 A
Thermal protection nob setting xIN	1
Rating current 10°C according to IEC 60947	22 A
Rating current 15°C according to IEC 60947	21.3 A
Rating current 20°C according to IEC 60947	20.6 A
Rating current 25°C according to IEC 60947	19.9 A
Rating current 30°C according to IEC 60947	19.2 A
Rating current 35°C according to IEC 60947	18.4 A
Rating current 40°C according to IEC 60947	17.6 A
Rating current 45°C according to IEC 60947	16.8 A
Rating current 50°C according to IEC 60947	16 A

Rating current 55°C according to IEC 60947	15 A
Rating current 60°C according to IEC 60947	14.1 A
Rating current 65°C according to IEC 60947	13 A
Rating current 70°C according to IEC 60947	11.9 A
Breaking capacity on 1 pole for IT 230V NF 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	25 kA
Range of the thermal adjustment	16 A
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	25 kA
<b>Dimensions</b>	
Depth of installed product	68 mm
Height of installed product	130 mm
Width of installed product	25 mm
<b>Frequency</b>	
Frequency	50 to 60 Hz
<b>Power</b>	
Total power loss under IN	1.8 W
Power loss per pole at In	1.8 W
<b>Endurance</b>	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
<b>Cover, door</b>	
Interlockable	Yes
<b>Installation, mounting</b>	
Tightening torque	6Nm
DIN rail mounting with optional adaptor	No
<b>Connection</b>	
Connection cross-sect. flexible conductor	6 / 70mm <sup>2</sup>
Connection cross-sect. rigid cable	6 / 95mm <sup>2</sup>
Connection	Front connection
Type of connection	with screw
<b>Cable</b>	
Cable Material	Cu
<b>Settings</b>	
Range of the magnetic adjustment	600 A
<b>Equipment</b>	
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
Motor drive optional	No
Can be accessorized	Yes

#### **Use cases**

Category of use	A
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#### **Standards**

Standard text	IEC 60947-2
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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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