



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
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

Dimensions

Depth of installed product	68 mm
Height of installed product	130 mm
Width of installed product	25 mm

Frequency

Frequency	50 to 60 Hz
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Power

Total power loss under IN	1.8 W
Power loss per pole at In	1.8 W

Endurance

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

Cover, door

Interlockable	Yes
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Installation, mounting

Tightening torque	6Nm
DIN rail mounting with optional adaptor	No

Connection

Connection cross-sect. flexible conductor	6 / 70mm ²
Connection cross-sect. rigid cable	6 / 95mm ²
Connection	Front connection

Cable

Cable Material	Cu
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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

Subject to technical modifications

Motor drive optional	No
Can be accessorized	Yes
Use cases	
Category of use	A
Standards	
Standard text	IEC 60947-2
European directive WEEE	concerned
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