



HHA023Z

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

Technical characteristics

| Neutral position | without neutral |
|--|-----------------|
| Number of protected poles | 1 |
| Number of poles | 1 P |
| Type of pole | 1P1D |
| Functions | |
| Trip Unit | TM F/F |
| Integrated earth fault protection | No |
| Concurrently switching N-neutral | No |
| Controls and indicators | |
| Motor drive integrated | No |
| 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 | 25 A |
| Thermal protection nob setting xIN | 1 |
| Rating current 10°C according to IEC 60947 | 29.6 A |
| Rating current 15°C according to IEC 60947 | 29 A |
| Rating current 20°C according to IEC 60947 | 28.5 A |
| Rating current 25°C according to IEC 60947 | 27.9 A |
| Rating current 30°C according to IEC 60947 | 27.4 A |
| Rating current 35°C according to IEC 60947 | 26.8 A |
| Rating current 40°C according to IEC 60947 | 26.2 A |
| Rating current 45°C according to IEC 60947 | 25.6 A |
| Rating current 50°C according to IEC 60947 | 25 A |
| Rating current 55°C according to IEC 60947 | 24.3 A |
| | |

| Rated ultimate short-circuit breaking capacity leu under 230V AC IEC 60947-2 25 k Rated ultimate short-circuit breaking capacity leu under 240V AC IEC 60947-2 25 k Bange of the thermal adjustment 25 Rated ultimate short-circuit breaking capacity leu under 220V AC IEC 60947-2 25 k Dimensions 0 Depth of installed product 68 m Height of installed product 25 m Frequency 50 to 60 k Power 7 Total power loss under IN 4.31 Power 0 Total power loss under IN 4.31 Power loss per pole at In 4.31 Electric endurance in number of cycles 100 Number of mechanical operations 400 Installation, mounting 100 Tightening torque 6N Connection 6 / 70mm Connection cross-sect. figid cable 6 / 70mm Type of connection 6 / 70mm Settings 600 Equipment 600 Fugupent 600 Cable 6 / 70mm Ca | Rating current 70°C according to IEC 60947 | 22.3 A |
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| capacity icu under 230V AC IEC 60947-2 25 k Rated ultimate short-circuit breaking capacity icu under 230V AC IEC 60947-2 25 k Range of the thermal adjustment 25 Dimensions 25 k Depth of installed product 66 m Height of installed product 66 m Height of installed product 05 to 60 k Prequency 50 to 60 k Power 7 Total power loss under IN 4.3 k Power loss per pole at In 4.3 k Power of mechanical operations 400 c Installation, mounting 100 c Tightening torque 6 k Connection 6 / 70mm Connection cross-sect. flexible conductor 6 / 70mm Cable 6 / 95mm Type of connection with scree Cable 600 Equipment 600 Number of auxillary contacts as normally colosed contact 600 Equipment 600 Cable 600 Equipment 600 Cable magnetic adjustment 600 Equipment of auxillary contacts as normally colosed con | | 25 kA |
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| Reted ultimate short-circuit breaking capacity icu under 220V AC IEC 60947-2 25 b Dimensions 2 Depth of installed product 68 m Height of installed product 25 m Frequency 25 to 50 to 60 b Power 7 Total power loss under IN 4.31 Power loss per pole at in 4.31 Endurance 100 m Electric endurance in number of cycles 100 m Number of mechanical operations 400 m Installation, mounting 6N Connection 6N Connection 6/ 70mm Cable 6/ 95mm Cable 600 Equipment 600 Equipment 600 Equipment 600 Number of auxiliary contacts as normally closed contact 600 Equipment 600 Number of auxiliary contacts as normally closed contact 7 Number of auxiliary contacts as normally closed contact 7 Number of auxiliary contacts as change-over contact 7 Our contact 7 Number of auxiliary contacts as change-over con | | 25 kA |
| capacity icu under 220V AC IEC 60947-2 25 k Dimensions 66 m Depth of installed product 130 m Width of installed product 25 m Frequency 50 to 60 h Power 7 Total power loss under IN 4.31 Power loss per pole at In 4.31 Endurance 100 m Electric endurance in number of cycles 100 m Number of mechanical operations 400 m Itallation, mounting 100 m Tightening torque 6 N Connection 6 / 95mm Type of connection 6 / 95mm Type of connection with screetings Range of the magnetic adjustment 600 Equipment 600 Number of auxiliary contacts as normally closed contact 600 Number of auxiliary contacts as normally closed contact 7 m Number of auxiliary contacts as normally closed contact 7 m Number of auxiliary contacts as change-over contact 7 m User cases 2 m Category of use 7 m | Range of the thermal adjustment | 25 A |
| Depth of installed product 68 m Height of installed product 130 m Width of installed product 25 m Frequency 50 to 60 f Power 4.3 Total power loss under IN 4.3 Power loss per pole at In 4.3 Eldetric endurance in number of cycles 100 Number of mechanical operations 400 Installation, mounting 6N Connection cross-sect. flexible conductor 6 / 70mm Connection cross-sect. flexible conductor 6 / 95mm Type of connection with scree Cable 600 Equipment 600 Equipment 600 Equipment 600 Equipment 600 Equipment 600 Number of auxiliary contacts as normality closed contact 600 Number of auxiliary contacts as normality contacts as change-aver contact 70 Number of auxiliary contacts as change-aver contact 70 Use cases 20 70 Category of use 50 | | 25 kA |
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| Frequency 50 to 60 H Power 4.31 Total power loss under IN 4.31 Power loss per pole at In 4.31 Endurance 100 Number of mechanical operations 100 Number of mechanical operations 400 Installation, mounting 100 Tightening torque 6N Connection 6/ 70mm Connection cross-sect. flexible conductor 6 / 95mm Type of connection with scree Cable 0 Settings 0 Range of the magnetic adjustment 600 Equipment 600 Number of auxiliary contacts as normally closed contact 70 Number of auxiliary contacts as normally contacts as normally open contact 70 Number of auxiliary contacts as change-over contact 70 Use cases 20 Category of use 70 | Height of installed product | 130 mm |
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| Connection cross-sect. rigid cable 6 / 95mn Type of connection with scree Cable Cable Material C Settings Range of the magnetic adjustment 600 Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contact Can be accessorized Ye Use cases Category of use | Connection | |
| Type of connection with scree Cable Cable Material | Connection cross-sect. flexible conductor | 6 / 70mm² |
| Cable Cable Material Cable Material Cable Material Settings Range of the magnetic adjustment 600 Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change- over contact Can be accessorized Ye Use cases Category of use | Connection cross-sect. rigid cable | 6 / 95mm² |
| Cable Material C Settings Range of the magnetic adjustment 600 Equipment 600 Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact 000 Number of auxiliary contacts as change-over contact 000 Can be accessorized 76 Use cases 76 | Type of connection | with screw |
| Settings Range of the magnetic adjustment 600 Equipment 000 Number of auxiliary contacts as normally closed contact 000 Number of auxiliary contacts as normally open contact 000 Number of auxiliary contacts as change-over contact 000 Use cases Yet Category of use 000 | Cable | |
| Range of the magnetic adjustment 600 Equipment 600 Number of auxiliary contacts as normally closed contact 600 Number of auxiliary contacts as normally open contact 600 Number of auxiliary contacts as normally open contact 600 Number of auxiliary contacts as change-over contact 600 Can be accessorized Ye Use cases Category of use | Cable Material | Cu |
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| Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change- over contact Can be accessorized Ye Use cases Category of use | Range of the magnetic adjustment | 600 A |
| closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change- over contact Can be accessorized Ye Use cases Category of use | Equipment | |
| open contact Number of auxiliary contacts as change- over contact Can be accessorized Ye Use cases Category of use | | 0 |
| over contact Can be accessorized Ye Use cases Category of use | | 0 |
| Can be accessorized Ye Use cases Category of use | | 0 |
| Category of use | | Yes |
| | Use cases | |
| Standards | Category of use | A |
| Standards | Standards | |

Safety

Standard text

| Yes |
|-----|
| Yes |
| No |
| |
| 3 |
| |

Altitude

temperatur

Temperature of calibration

2000 m