



HHA031Z

## Moulded Case Circuit Breaker h3 x160 TM FIX 2P2D 32A 25kA CTC

### Technical characteristics

#### Architecture

|                           |                 |
|---------------------------|-----------------|
| Neutral position          | without neutral |
| Number of protected poles | 2               |
| Number of poles           | 2 P             |

#### 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 / 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       |
| <b>Dimensions</b>  |             |
| Depth of installed product   | 68 mm       |
| Height of installed product  | 130 mm      |
| Width of installed product   | 50 mm       |
| <b>Frequency</b>   |             |
| Frequency  | 50 to 60 Hz |
| <b>Power</b>   |             |
| Total power loss under IN  | 5.6 W       |
| Power loss per pole at In  | 2.8 W       |
| <b>Endurance</b>   |             |
| Electric endurance in number of cycles                                       | 1000        |
| Number of mechanical operations  | 4000        |
| <b>Connection</b>  |             |
| Type of connection   | with screw  |
| <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           |
| Can be accessorized  | Yes         |
| <b>Standards</b>   |             |
| European directive WEEE  | concerned   |
| <b>Safety</b>  |             |
| REACH conform  | Yes         |
| RoHS conform   | Yes         |
| Halogen free   | No          |
| <b>Use conditions</b>  |             |
| Degree of pollution according to IEC 60664 / IEC 60947-2                     | 3           |
| Altitude   | 2000 m      |

