



HDA125Z

**Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 125A 18kA CTC**

**Technical properties**

**Architecture**

|                           |                 |
|---------------------------|-----------------|
| Type of order             | Toggle          |
| Neutral position          | without neutral |
| Number of protected poles | 3               |
| Number of poles           | 3 P             |
| Type of pole              | 3P3D            |
| Type of case              | Fixed built-in  |

**Functions**

|  |        |
|--|--------|
| Complete device with protection unit           | Yes    |
| Trip Unit                                      | TM F/F |
| With integrated earth leakage 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                              | 125 A   |
| Thermal protection nob setting xIN         | 1       |
| Rating current 10°C according to IEC 60947 | 148.8 A |
| Rating current 15°C according to IEC 60947 | 146 A   |
| Rating current 20°C according to IEC 60947 | 143.2 A |
| Rating current 25°C according to IEC 60947 | 140.3 A |
| Rating current 30°C according to IEC 60947 | 137.4 A |
| Rating current 35°C according to IEC 60947 | 134.4 A |
| Rating current 40°C according to IEC 60947 | 131.3 A |
| Rating current 45°C according to IEC 60947 | 128.2 A |
| Rating current 50°C according to IEC 60947 | 125 A   |
| Rating current 55°C according to IEC 60947 | 121.6 A |

|  |         |
|--|---------|
| Rating current 60°C according to IEC 60947                                   | 118.2 A |
| Rating current 65°C according to IEC 60947                                   | 114.7 A |
| Rating current 70°C according to IEC 60947                                   | 111.1 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   |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 18 kA   |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 18 kA   |
| Range of the thermal adjustment  | 125 A   |
| Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 | 18 kA   |

#### Dimensions

|                             |        |
|-----------------------------|--------|
| Depth of installed product  | 68 mm  |
| Height of installed product | 130 mm |
| Width of installed product  | 75 mm  |

#### Frequency

|           |             |
|-----------|-------------|
| Frequency | 50 to 60 Hz |
|-----------|-------------|

#### Power

|                           |      |
|---------------------------|------|
| Total power loss under IN | 33 W |
| Power loss per pole at In | 11 W |

#### Endurance

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

#### Installation, mounting

|   |    |
|---|----|
| DIN rail mounting with optional adaptator | No |
|---|----|

#### Connection

|                    |                  |
|--------------------|------------------|
| Connection         | Front connection |
| Type of connection | with screw       |

#### Settings

|                                  |        |
|----------------------------------|--------|
| Range of the magnetic adjustment | 1500 A |
|----------------------------------|--------|

#### 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   |
| Motor drive optional                                    | No  |
| Can be accessorized                                     | Yes |

#### Standards

|               |             |
|---------------|-------------|
| Standard text | IEC 60947-2 |
|---------------|-------------|

|  |        |
|--|--------|
| <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 |
| <b>temperatur</b>  |        |
| Temperature of calibration                               | 50 °C  |