



MCCB h3 x160 TM 3x125A 25kA

HHA125U

#### Architecture

|                           |                 |
|---------------------------|-----------------|
| Neutral position          | without neutral |
| Number of protected poles | 3               |
| Number of poles           | 3 P             |
| Type of pole              | 3P3D            |

#### Functions

|                                  |        |
|----------------------------------|--------|
| Trip Unit                        | TM A/F |
| Concurrently switching N-neutral | no     |

#### Compatibility

|                                   |    |
|-----------------------------------|----|
| Compatible with DIN rail mounting | 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         | 0,63 / 0,8 / 1 |
| Rating current 10°C according to IEC 60947 | 151,4 A        |
| Rating current 15°C according to IEC 60947 | 148,4 A        |
| Rating current 20°C according to IEC 60947 | 145,3 A        |
| Rating current 25°C according to IEC 60947 | 142,1 A        |
| Rating current 30°C according to IEC 60947 | 138,8 A        |
| Rating current 35°C according to IEC 60947 | 135,5 A        |
| Rating current 40°C according to IEC 60947 | 132,1 A        |
| Rating current 45°C according to IEC 60947 | 128,6 A        |
| Rating current 50°C according to IEC 60947 | 125 A          |

Technical Properties

|  |                  |
|--|------------------|
| Rating current 55°C according to IEC 60947                                   | 121,2 A          |
| Rating current 60°C according to IEC 60947                                   | 117,4 A          |
| Rating current 65°C according to IEC 60947                                   | 113,4 A          |
| Rating current 70°C according to IEC 60947                                   | 109,3 A          |
| Rated service breaking capacity Ics under 220V AC according IEC 60947-2      | 25 kA            |
| Rated service breaking capacity Ics under 230V AC according IEC 60947-2      | 25 kA            |
| Rated service breaking capacity Ics under 240V AC according IEC 60947-2      | 25 kA            |
| Rated service breaking capacity Ics under 380V AC according IEC 60947-2      | 20 kA            |
| Rated service breaking capacity Ics under 400V AC according IEC 60947-2      | 20 kA            |
| Rated service breaking capacity Ics under 415V AC according IEC 60947-2      | 20 kA            |
| 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  | 80 / 100 / 125 A |
| Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 | 25 kA            |

**Frequency**

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

**Power**

|                                |        |
|--------------------------------|--------|
| Power loss per pole at 0.63*In | 4,5 W  |
| Power loss per pole at 0.8*In  | 7 W    |
| Total power loss at 0.63*In    | 13,5 W |
| Total power loss at 0.8*In     | 21,1 W |
| 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 |

**Dimensions**

|  |        |
|--|--------|
| Depth of installed product                               | 68 mm  |
| Height of installed product                              | 130 mm |
| Width of installed product                               | 75 mm  |
| Critical distance switching emission/earthed part bottom | 40 mm  |
| Critical distance switching emission/earthed part left   | 50 mm  |
| Critical distance switching emission/earthed part right  | 50 mm  |
| Critical distance switching emission/earthed part top    | 40 mm  |
| Critical distance switching emission/insulated plate     | 30 mm  |
| Critical distance switching emission/live part           | 50 mm  |

**Connection**

|                    |            |
|--------------------|------------|
| Type of connection | with screw |
|--------------------|------------|

**Settings**

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

**Equipment**

|                     |     |
|---------------------|-----|
| Can be accessorized | yes |
|---------------------|-----|

**Standards**

|  |             |
|--|-------------|
| Standard text  | IEC 60947-2 |
| European directive WEEE                                      | concerned   |
| Product categories described in the W3E directive 2012/19/EU | Category 5  |

**Safety**

|                     |      |
|---------------------|------|
| Protection index IP | IP4X |
|---------------------|------|

**Use conditions**

|  |        |
|--|--------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3      |
| Altitude   | 2000 m |

**temperatur**

|                            |       |
|----------------------------|-------|
| Temperature of calibration | 50 °C |
|----------------------------|-------|