



HHA098Z

**Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 100A 25kA CTC**

**Technical Features**

**Electric current**

|   |          |
|---|----------|
| Rated current   | 100 A    |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 25 kA    |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2   | 20 kA    |
| Rated current 10°C according to IEC 60947                                     | 122.20 A |
| Rated current 15°C according to IEC 60947                                     | 119.70 A |
| Rated current 20°C according to IEC 60947                                     | 117 A    |
| Rated current 25°C according to IEC 60947                                     | 114.40 A |
| Rated current 30°C according to IEC 60947                                     | 111.60 A |
| Rated current at 35°C according to IEC 60947                                  | 108.80 A |
| Rated current at 40°C according to IEC 60947                                  | 106 A    |
| Rated current 45°C according to IEC 60947                                     | 103 A    |
| Rated current 50°C according to IEC 60947                                     | 100 A    |
| Rated current 55°C according to IEC 60947                                     | 96.80 A  |
| Rated current at 60°C according to IEC 60947                                  | 93.60 A  |
| Rated current 65°C according to IEC 60947                                     | 90.20 A  |
| Rated current 70°C according to IEC 60947                                     | 86.70 A  |

**Architecture**

|                  |                 |
|------------------|-----------------|
| Number of poles  | 1               |
| Neutral position | Without neutral |

**Tripping**

|                            |       |
|----------------------------|-------|
| Response time when opening | 10 ms |
|----------------------------|-------|

**Frequency**

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

**Voltage**

|                                      |        |
|--------------------------------------|--------|
| Rated impulse withstand voltage Uimp | 8000 V |
| Rated insulation voltage Ui          | 690 V  |

**Functions**

|           |        |
|-----------|--------|
| Trip unit | TM F/F |
|-----------|--------|

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 8.40 W |
|---------------------------|--------|

**Endurance**

|  |       |
|--|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations        | 20000 |

**Safety**

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
|-------------------------------|------|

**Connection**

|                                  |                        |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 4 - 70 mm <sup>2</sup> |
| Cross-section rigid conductor    | 4 - 95 mm <sup>2</sup> |

**Connectivity**

|                    |                |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

**Settings**

|                                     |   |
|-------------------------------------|---|
| Thermal protection knob setting xIN | 1 |
|                                     | 1 |

**Dimensions**

|        |        |
|--------|--------|
| Height | 130 mm |
| Width  | 25 mm  |
| Depth  | 68 mm  |

| <b>Compatibility</b>              |          |
|-----------------------------------|----------|
| Suitable for DIN Rail             | No       |
| <b>Main electrical attributes</b> |          |
| Magnetic protection trip time     | 0 - 0 ms |
| <b>Sustainability</b>             |          |
| REACH-SVHC free                   | Yes      |
| RoHS conform                      | Yes      |