



HHA041Z

### Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 40A 25kA CTC

#### Technical Features

##### Electric current

|                                                                               |         |
|-------------------------------------------------------------------------------|---------|
| Rated current                                                                 | 40 A    |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 25 kA   |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 35 kA   |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2   | 25 kA   |
| Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2   | 20 kA   |
| Rated current 10°C according to IEC 60947                                     | 49.50 A |
| Rated current 15°C according to IEC 60947                                     | 48.40 A |
| Rated current 20°C according to IEC 60947                                     | 47.30 A |
| Rated current 25°C according to IEC 60947                                     | 46.10 A |
| Rated current 30°C according to IEC 60947                                     | 45 A    |
| Rated current at 35°C according to IEC 60947                                  | 43.80 A |
| Rated current at 40°C according to IEC 60947                                  | 42.50 A |
| Rated current 45°C according to IEC 60947                                     | 41.30 A |
| Rated current 50°C according to IEC 60947                                     | 40 A    |
| Rated current 55°C according to IEC 60947                                     | 38.60 A |
| Rated current at 60°C according to IEC 60947                                  | 37.20 A |
| Rated current 65°C according to IEC 60947                                     | 35.70 A |
| Rated current 70°C according to IEC 60947                                     | 34.20 A |

##### Architecture

|                 |   |
|-----------------|---|
| Number of poles | 4 |
|-----------------|---|

##### 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 | 11 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 |

|                                   |  |          |
|-----------------------------------|--|----------|
| <b>Dimensions</b>                 |  |          |
| Height                            |  | 130 mm   |
| Width                             |  | 100 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      |