



HHA078Z

Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 80A 25kA CTC

Technical characteristics

Electric current

| | |
|---|----------|
| Rated current | 80 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 | 106.90 A |
| Rated current 15°C according to IEC 60947 | 103.90 A |
| Rated current 20°C according to IEC 60947 | 100.90 A |
| Rated current 25°C according to IEC 60947 | 97.70 A |
| Rated current 30°C according to IEC 60947 | 94.40 A |
| Rated current at 35°C according to IEC 60947 | 91 A |
| Rated current at 40°C according to IEC 60947 | 87.50 A |
| Rated current 45°C according to IEC 60947 | 83.80 A |
| Rated current 50°C according to IEC 60947 | 80 A |
| Rated current 55°C according to IEC 60947 | 75.90 A |
| Rated current at 60°C according to IEC 60947 | 71.60 A |
| Rated current 65°C according to IEC 60947 | 67.10 A |
| Rated current 70°C according to IEC 60947 | 62.20 A |

Architecture

| | |
|---------------------------|-----------------|
| Number of poles | 1 |
| Control/operation element | Toggle |
| Device construction type | Fixed built-in |
| Neutral position | Without neutral |

Tripping

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

Frequency

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

Voltage

| | |
|--------------------------------------|---------|
| Rated impulse withstand voltage Uimp | 8,000 V |
| Rated insulation voltage Ui | 690 V |

Functions

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

| | |
|--|------------------------|
| Power | |
| Total power loss under IN | 4.80 W |
| Endurance | |
| Electric endurance in number of cycles | 1,000 |
| Number of mechanical operations | 4,000 |
| Safety | |
| Ingress Protection (IP) class | IP4X |
| Connection | |
| Cross-section flexible conductor | 4 - 70 mm ² |
| Cross-section rigid conductor | 4 - 95 mm ² |
| Installation, mounting | |
| Mounting-/Connection Position | Front |
| Connectivity | |
| Type of connection | Screw terminal |
| Settings | |
| Thermal protection knob setting xIN | 1, 1 |
| Dimensions | |
| Height | 130 mm |
| Width | 25 mm |
| Depth | 68 mm |
| Compatibility | |
| Suitable for DIN Rail | Yes |
| Main electrical attributes | |
| Magnetic protection trip time | 0 - 0 ms |