



HDA033Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 32A 18kA CTC

Technical characteristics

Electric current

| | |
|---|---------|
| Rated current | 32 A |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 18 kA |
| 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 | 25 kA |
| Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2 | 18 kA |
| Rated current 10°C according to IEC 60947 | 42 A |
| Rated current 15°C according to IEC 60947 | 40.90 A |
| Rated current 20°C according to IEC 60947 | 39.80 A |
| Rated current 25°C according to IEC 60947 | 38.60 A |
| Rated current 30°C according to IEC 60947 | 37.30 A |
| Rated current at 35°C according to IEC 60947 | 36.10 A |
| Rated current at 40°C according to IEC 60947 | 34.70 A |
| Rated current 45°C according to IEC 60947 | 33.40 A |
| Rated current 50°C according to IEC 60947 | 32 A |
| Rated current 55°C according to IEC 60947 | 30.50 A |
| Rated current at 60°C according to IEC 60947 | 28.90 A |
| Rated current 65°C according to IEC 60947 | 27.20 A |
| Rated current 70°C according to IEC 60947 | 25.40 A |

Architecture

| | |
|---------------------------|----------------|
| Number of poles | 4 |
| Control/operation element | Toggle |
| Device construction type | Fixed built-in |

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 | 8.40 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 | 100 mm |
| Depth | 68 mm |
| Compatibility | |
| Suitable for DIN Rail | Yes |
| Main electrical attributes | |
| Magnetic protection trip time | 0 - 0 ms |