

Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 80A 40kA FTC

Technical Features

Electric current

| | |
|---|----------|
| Rated current | 80 A |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 40 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 85 kA |
| Rated current 10°C according to IEC 60947 | 101.90 A |
| Rated current 15°C according to IEC 60947 | 99.40 A |
| Rated current 20°C according to IEC 60947 | 96.90 A |
| Rated current 25°C according to IEC 60947 | 94.30 A |
| Rated current 30°C according to IEC 60947 | 91.60 A |
| Rated current at 35°C according to IEC 60947 | 88.80 A |
| Rated current at 40°C according to IEC 60947 | 86 A |
| Rated current 45°C according to IEC 60947 | 83 A |
| Rated current 50°C according to IEC 60947 | 80 A |
| Rated current 55°C according to IEC 60947 | 76.80 A |
| Rated current at 60°C according to IEC 60947 | 73.40 A |
| Rated current 65°C according to IEC 60947 | 70 A |
| Rated current 70°C according to IEC 60947 | 66.30 A |

Architecture

| | |
|---------------------------|-----------------|
| Number of poles | 3 |
| 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 | 8000 V |
| Rated insulation voltage Ui | 690 V |

Functions

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

Power

| | |
|---------------------------|---------|
| Total power loss under IN | 18.90 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 ² |
| Cross-section rigid conductor | 4 - 95 mm ² |

Installation, mounting

| | |
|-------------------------------|----------|
| Nominal tightening torque | 4 - 4 Nm |
| Mounting-/Connection Position | Front |

Settings

| | |
|---|---------|
| Thermal protection knob setting xIN | 1 |
| | 1 |
| Adjustment range short-term delayed short-circuit release | 0 - 0 A |

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