

Moulded Case Circuit Breaker x250 3P 25kA 250A TM

Technical Features

Electric current

| | |
|---|----------|
| Rated current | 250 A |
| Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2 | 4 kA |
| Rated current 10°C according to IEC 60947 | 298.20 A |
| Rated current 15°C according to IEC 60947 | 292.70 A |
| Rated current 20°C according to IEC 60947 | 287.20 A |
| Rated current 25°C according to IEC 60947 | 281.20 A |
| Rated current 30°C according to IEC 60947 | 275.20 A |
| Rated current at 35°C according to IEC 60947 | 269.20 A |
| Rated current at 40°C according to IEC 60947 | 263 A |
| Rated current 45°C according to IEC 60947 | 256.50 A |
| Rated current 50°C according to IEC 60947 | 250 A |
| Rated current 55°C according to IEC 60947 | 243.20 A |
| Rated current at 60°C according to IEC 60947 | 236.20 A |
| Rated current 65°C according to IEC 60947 | 229.20 A |
| Rated current 70°C according to IEC 60947 | 222.20 A |

Architecture

| | |
|---------------------------|----------------|
| Number of poles | 3 |
| 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 U _{imp} | 8000 V |
| Rated insulation voltage U _i | 800 V |
| Rated operational voltage U _e | 220 - 415 V |

Functions

| | |
|-----------|--------|
| Trip unit | TM A/A |
|-----------|--------|

Power

| | |
|---------------------------------------|------|
| Total power loss under I _N | 48 W |
|---------------------------------------|------|

Endurance

| | |
|--|------|
| Electric endurance in number of cycles | 1000 |
| Number of mechanical operations | 4000 |

Safety

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

Connection

| | |
|----------------------------------|--------------------------|
| Cross-section flexible conductor | 35 - 150 mm ² |
| Cross-section rigid conductor | 35 - 185 mm ² |

Settings

| | |
|---|------------------|
| Thermal protection knob setting xI _N | 0.63 0.8 1 |
| Adjustment range short-term delayed short-circuit release | 0 - 0 A |

Compatibility

| | |
|-----------------------|----|
| Suitable for DIN Rail | No |
|-----------------------|----|

Installation, mounting

| | |
|-------------------------------|------------|
| Mounting-/Connection Position | Front |
| Nominal tightening torque | 12 - 12 Nm |

Main electrical attributes

| | |
|-------------------------------|----------|
| Magnetic protection trip time | 0 - 0 ms |
|-------------------------------|----------|

Sustainability

| | |
|-----------------|-----|
| REACH-SVHC free | Yes |
| RoHS conform | Yes |