



HHA051Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 50A 25kA CTC

Technical characteristics

Electric current

| | |
|------------------------------------------------------------------------------------|-------|
| Rated current | 50 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 | 35 kA |
| Rated service breaking capacity I_{cs} under 230 V AC according to IEC 60947-2 | 25 kA |
| Rated service breaking capacity I_{cs} under 400 V AC according to IEC 60947-2 | 20 kA |

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 U_{imp} | 8,000 V |
| Rated insulation voltage U_i | 690 V |

Functions

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

Power

| | |
|------------------------------|---------|
| Total power loss under I_N | 17.30 W |
|------------------------------|---------|

Endurance

| | |
|----------------------------------------|-------|
| Electric endurance in number of cycles | 1,000 |
| Number of mechanical operations | 4,000 |

Safety

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

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|----------------------------------|------------------------|
| Cross-section flexible conductor | 4 - 70 mm ² |
| Cross-section rigid conductor | 4 - 95 mm ² |

Installation, mounting

| | |
|-------------------------------|-------|
| Mounting-/Connection Position | Front |
|-------------------------------|-------|

Connectivity

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|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

Settings

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|-------------------------------------|------|
| Thermal protection knob setting xIN | 1, 1 |
|-------------------------------------|------|

Dimensions

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|--------|--------|
| Height | 130 mm |
|--------|--------|

| | |
|-------|--------|
| Width | 100 mm |
|-------|--------|

| | |
|-------|-------|
| Depth | 68 mm |
|-------|-------|

Compatibility

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|-----------------------|-----|
| Suitable for DIN Rail | Yes |
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Main electrical attributes

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