

Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 100A 25kA FTC

Technical Features

Electric current

|                                                                                           |          |
|-------------------------------------------------------------------------------------------|----------|
| Rated current                                                                             | 100 A    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2 | 25 kA    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 35 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2   | 25 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2   | 20 kA    |
| Rated current 10°C according to IEC 60947                                                 | 120.50 A |
| Rated current 15°C according to IEC 60947                                                 | 118.10 A |
| Rated current 20°C according to IEC 60947                                                 | 115.70 A |
| Rated current 25°C according to IEC 60947                                                 | 113.20 A |
| Rated current 30°C according to IEC 60947                                                 | 110.70 A |
| Rated current at 35°C according to IEC 60947                                              | 108.10 A |
| Rated current at 40°C according to IEC 60947                                              | 105.50 A |
| Rated current 45°C according to IEC 60947                                                 | 102.70 A |
| Rated current 50°C according to IEC 60947                                                 | 100 A    |
| Rated current 55°C according to IEC 60947                                                 | 97.10 A  |
| Rated current at 60°C according to IEC 60947                                              | 94.10 A  |
| Rated current 65°C according to IEC 60947                                                 | 91.10 A  |
| Rated current 70°C according to IEC 60947                                                 | 87.90 A  |

Architecture

|                  |                 |
|------------------|-----------------|
| Number of poles  | 3               |
| Neutral position | Without neutral |

Tripping

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

Frequency

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

Voltage

|                                                  |        |
|--------------------------------------------------|--------|
| Rated impulse withstand voltage U <sub>imp</sub> | 8000 V |
| Rated insulation voltage U <sub>i</sub>          | 690 V  |

Functions

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

Power

|                                       |      |
|---------------------------------------|------|
| Total power loss under I <sub>N</sub> | 39 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 <sup>2</sup> |
| Cross-section rigid conductor    | 4 - 95 mm <sup>2</sup> |

Settings

|                                                 |   |
|-------------------------------------------------|---|
| Thermal protection knob setting xI <sub>N</sub> | 1 |
|                                                 | 1 |

Dimensions

|        |        |
|--------|--------|
| Height | 130 mm |
| Width  | 75 mm  |
| Depth  | 68 mm  |

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