# Product data sheet
## Characteristics

# C10M1TM063
## Circuit breaker, ComPacT NSX100M AC/DC, 40kA/240VAC, 1 pole, TMD trip unit 63A

## Main

| | |
|---|---|
| Range | ComPacT new generation |
| Product name | ComPacT NSX new generation |
| Device short name | NSX100M |
| Product or component type | Circuit breaker |
| Device application | Distribution |
| Poles description | 1P |
| Protected poles description | 1D |
| [In] rated current | 63 A at 40 °C |
| [Ue] rated operational voltage | 277 V AC 50/60 Hz<br>250 V DC 50/60 Hz |
| Network type | AC<br>DC |
| Network frequency | 50/60 Hz |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Utilisation category | Category A |
| [Icu] rated ultimate short-circuit breaking capacity | 40 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA Icu at 250 V DC conforming to IEC 60947-2 |
| Performance level | M 40 kA 240 V AC |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit protection functions | LI |
| Control type | Toggle |
| Circuit breaker mounting mode | Fixed |

## Complementary

| | |
|---|---|
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 40 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA at 250 V DC conforming to IEC 60947-2 |
| Mechanical durability | 20000 cycles |
| Electrical durability | 20000 Cycles at 277 V In/2<br>10000 cycles at 277 V In |
| Power dissipation per pole | 8.61 W |
| Mounting support | Backplate |
| Mounting position | Horizontal and vertical<br>Flat on the back |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 35 mm |
| Protection type | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic) |
| Trip unit rating | 63 A at 40 °C |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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|---|---|
| Long-time pick-up adjustment type Ir (thermal protection) | Fixed |
| [Ir] long-time protection pick-up adjustment range | 1 x In |
| Long-time protection delay adjustment type tr | Fixed |
| Instantaneous protection pick-up adjustment type Ii | Fixed |
| [Ii] instantaneous protection pick-up adjustment range | 500 A |
| Earth-leakage protection | Without |
| Width (W) | 35 mm |
| Height (H) | 161 mm |
| Depth (D) | 86 mm |
| Net weight | 0.7 kg |

## Environment

| | |
|---|---|
| Standards | EN/IEC 60947 |
| Product certifications | CCC<br>EAC<br>Marine |
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -50…85 °C |
| Relative humidity | 0…95 % |
| Operating altitude | 0...2000 m without derating<br>2000 m...5000 m with derating |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.0 cm |
| Package 1 Width | 13.0 cm |
| Package 1 Length | 18.0 cm |
| Package 1 Weight | 730.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 9.199 kg |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| PVC free | Yes |