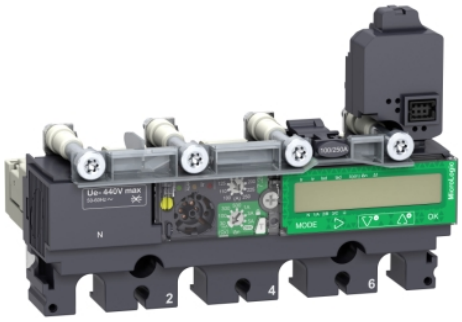
# Product data sheet
## Characteristics

# C1047E100
trip unit MicroLogic 7.2 E for ComPacT NSX 100/160/250 circuit breakers, electronic, rating 100A, 4 poles 4d



## Main

| | |
|---|---|
| Range | ComPacT new generation |
| Range of product | ComPacT NSX100...250 new generation |
| Product or component type | Trip unit |
| Trip unit name | Micrologic 7.2 E |
| Trip unit technology | Electronic |
| Range compatibility | ComPacT new generation NSX160<br>ComPacT new generation NSX100<br>ComPacT new generation NSX250 |
| Device application | Distribution |
| Poles description | 4P |
| Protected poles description | 3D + N/2<br>4D<br>3D + OSN<br>3D |
| Neutral position | Left |
| Trip unit protection functions | LSIR |
| Protection type | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection<br>R : for earth-leakage protection |
| Trip unit rating | 100 A at 40 °C |
| [Ue] rated operational voltage | 440 V AC 50/60 Hz |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Circuit breaker mounting mode | Fixed |

## Complementary

| | |
|---|---|
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 9 settings |
| [Ir] long-time protection pick-up adjustment range | 40...100 A |
| Long-time protection delay adjustment type tr | Adjustable |
| [tr] long-time protection delay adjustment range | 15…400 S at 1.5 x Ir<br>0.35…11 S at 7.2 x Ir<br>0.5…16 s at 6 x Ir |
| Neutral protection settings | 0.5 x Ir (3D + N/2)<br>1 x Ir (4D)<br>1.6 x Ir (3D + OSN)<br>No protection (3D) |
| Thermal memory | 20 minutes before and after tripping |
| Short-time protection pick-up adjustment type Isd | Adjustable |
| [Isd] Short-time protection pick-up adjustment range | 1.5...10 x Ir |
| Short-time protection delay adjustment type tsd | Adjustable |
| [tsd] Short-time protection delay adjustment range | 0…0.4 s |
| Instantaneous protection pick-up adjustment type Ii | Adjustable |
| [Ii] instantaneous protection pick-up adjustment range | 1.5...15 x In |
| Earth-leakage protection | Integrated |
| Earth-leakage protection class | Class A |

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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| | |
|---|---|
| Earth-leakage protection sensitity adjustment type IΔn | Adjustable |
| [IΔn] earth-leakage protection sensitivity adjustment range | 0.03 A<br>0.1 A<br>0.3 A<br>0.5 A<br>1 A<br>3 A<br>5 A |
| Earth-leakage protection specific mode | OFF using the IΔn rotary switch |
| Earth-leakage protection time delay adjustement type Δt | Adjustable |
| [Δt] Earth-leakage protection time delay adjustment range | 0 Ms<br>60 Ms<br>150 Ms<br>500 Ms<br>1 s |
| Zone selective interlocking ZSI | Without |
| Local signalling | Flashing LED (green) for ready to operate<br>LED 105 % Ir (red) for overload<br>LED 90 % Ir (orange) for overload |
| Display type | LCD display |
| Type of measurement | Energy meter |
| Communication of data | Maximeters/Minimeters<br>Maintenance indicators<br>Test reports<br>Demand current and power<br>Time-stamped histories and event tables<br>Earth leakage current<br>Energy metering<br>Protection and alarm settings<br>Power quality<br>Instantaneous and demand values |

## Environment

| | |
|---|---|
| Standards | EN/IEC 60947-2 |
| Electrical shock protection class | Class II |
| Pollution degree | 3 conforming to IEC 60947-1 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…85 °C |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 10.0 cm |
| Package 1 Width | 11.0 cm |
| Package 1 Length | 15.2 cm |
| Package 1 Weight | 795.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 8.321 kg |
| Package 3 Height | 105 cm |

## Offer Sustainability

| | |
|---|---|
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |

## Contractual warranty

| | |
|---|---|
| Warranty | 18 months |