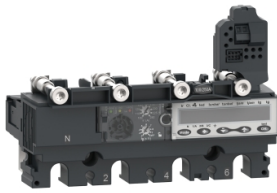


# Product datasheet

Specifications



trip unit MicroLogic 6.2 E for  
ComPacT NSX 250 circuit breakers,  
electronic, rating 250A, 4 poles 4d

C2546E250

EAN Code: 3606482000162

## Main

|                                |   |
|--------------------------------|---|
| Range                          | ComPacT   |
| Range of product               | ComPacT NSX100...250  |
| Product or component type      | Trip unit   |
| Trip unit name                 | MicroLogic 6.2 E  |
| Trip unit technology           | Electronic  |
| Range compatibility            | ComPacT 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 | LSIG  |
| Protection type                | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection<br>G : for ground fault protection |
| Trip unit rating               | 250 A at 40 °C  |
| [Ue] rated operational voltage | 690 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        | 100...250 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 9 settings  |
| [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 I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on  |
| Instantaneous protection pick-up adjustment type Ii      | Adjustable   |
| [Ii] instantaneous protection pick-up adjustment range   | 1.5...12 x In  |
| Ground-fault protection pick-up adjustment type Ig       | Adjustable   |
| [Ig] ground-fault protection pick-up adjustment range    | 0.4...1 x In for In = 40 A<br>0.2...1 x In for In > 40 A<br>Ig enable on/off   |
| Ground-fault protection time delay adjustment type tg    | Adjustable   |
| [tg] ground-fault protection time delay adjustment range | 0...0.4 s I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on  |
| Earth-leakage protection                                 | Without  |
| Zone selective interlocking ZSI                          | With   |
| 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                                    | Energy metering<br>Protection and alarm settings<br>Time-stamped histories and event tables<br>Instantaneous and demand values<br>Maintenance indicators<br>Demand current and power<br>Power quality<br>Maximeters/minimeters |
| Electrical data recording                                | Maintenance indicators   |

## 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             | 9.500 cm  |
| Package 1 Width              | 11.000 cm |
| Package 1 Length             | 15.000 cm |
| Package 1 Weight             | 658.000 g |

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|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 2</b>       | S03       |
| <b>Number of Units in Package 2</b> | 11        |
| <b>Package 2 Height</b>             | 30.000 cm |
| <b>Package 2 Width</b>              | 30.000 cm |
| <b>Package 2 Length</b>             | 40.000 cm |
| <b>Package 2 Weight</b>             | 7.638 kg  |

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## Logistical informations

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Country of origin FR

## Contractual warranty

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Warranty (in months) 18



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint 89

Environmental Disclosure [Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 9cd110c5-7f48-4bb3-91b8-ba77f361496d

REACH Regulation [REACH Declaration](#)

Halogen-free status Product contains halogen above thresholds

PVC free Yes

Silicone-free No

## Use Longer



### Lifetime extension

Repair No

Updatability Yes

## Use Again



### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Offer Marketing Illustration

Product benefits / Features

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## ComPacT NSX Moulded Case Circuit Breaker



### Protection begins with prevention

Designed to prevent an electrical fire through integrated earth leakage protection with preventive maintenance thanks to its Everlink power connections.



### Maximize power availability

By providing corrective, preventive, and predictive maintenance for asset management thanks to our advanced MicroLogic trip units.



### Connectivity

Designed to connect to EcoStruxure Power, an IoT-connected architecture for improving every aspect of your power distribution system.



Offer Marketing Illustration

Product benefits / Features

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**ComPacT NSX**  
Technical Benefits

- Nominal current: 16 to 630 A and 9 breaking capacities for the 2 sizes of circuit breakers
- 1, 2, 3, and 4 pole versions available
- Large range of electronic and thermal-magnetic protections
- Plug and ready wiring system and communicating accessories
- Integrated earth leakage protection via MicroLogic Vigi (earth leakage circuit breaker - ELCB)
- Advanced trip unit with integrated power metering: I, U, P, E, THD, f, CosPhi