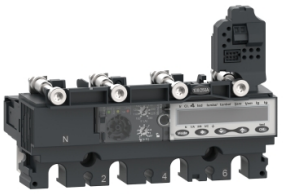
# Product datasheet

Specifications



## Trip unit MicroLogic 6.2 E for ComPacT NSX 100/160/250 circuit breakers, electronic, rating 40A, 4 poles 4d

C1046E040

## 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 NSX100<br>ComPacT NSX160<br>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** | 40 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** | 18...40 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) |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

| | |
|---|---|
| **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 I²t=off<br>0.1…0.4 s I²t=on |
| **Instantaneous protection pick-up adjustment type Ii** | Adjustable |
| **[Ii] instantaneous protection pick-up adjustment range** | 1.5...15 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 I²t=off<br>0.1…0.4 s I²t=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** | 666.000 g |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 11 |
| **Package 2 Height** | 30.000 cm |
| **Package 2 Width** | 30.000 cm |
| **Package 2 Length** | 40.000 cm |
| **Package 2 Weight** | 7.726 kg |

## Contractual warranty

| | |
|---|---|
| **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 | **19 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **6 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.1 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0.1 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **12 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **1 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| SCIP Number | **9cd110c5-7f48-4bb3-91b8-ba77f361496d** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| 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

| | |
|---|---|
| Recyclability potential, in % | **58** |
| 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**

Offer Marketing Illustration

**Product benefits / Features**