# Product data sheet

Specifications

## trip unit MicroLogic 6.3 E for ComPact NSX 630 circuit breakers, electronic, rating 630A, 4 poles 4d

LV432111

⚠ **Discontinued on:** 30 September 2022

⚠ To be discontinued

**Important message :** This product has been switched to new ComPacT range and is no longer commercialized. It will continue to be available until Q4 2022 only limited to specific projects.

## Main

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|---|---|
| **Range** | ComPact |
| **Range of product** | ComPact NSX400...630 |
| **Product or component type** | Trip unit |
| **Trip unit name** | Micrologic 6.3 E |
| **Trip unit technology** | Electronic |
| **Range compatibility** | ComPact NSX630 |
| **Device application** | Distribution<br>Generator |
| **Number of poles** | 4P |
| **Protected poles description** | 3t + OSN<br>3t + N/2<br>4t<br>3t |
| **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 rated current** | 630 A at 40 °C |
| **[Ue] rated operational voltage** | 690 V AC 50/60 Hz |
| **Network type** | AC |
| **Network frequency** | 50/60 Hz |

## Complementary

| | |
|---|---|
| **Long-time pick-up adjustment type Ir (thermal protection)** | Adjustable 9 settings |
| **[Ir] long-time protection pick-up adjustment range** | 250...630 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 |

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|---|---|
| **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 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...11 x In Compact NSX630 |
| **Ground-fault protection pick-up adjustment type Ig** | Adjustable |
| **[Ig] ground-fault protection pick-up adjustment range** | 0.2...1 x In |
| **Ground-fault protection time delay adjustment type tg** | Adjustable |
| **Earth-leakage protection** | Without |
| **Neutral protection settings** | 0.5 x Ir (3t + N/2)<br>1 x Ir (4t)<br>1.6 x Ir (3t + OSN)<br>No protection (3t) |
| **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** | Time-stamped histories and event tables<br>Maximeters/minimeters<br>Protection and alarm settings<br>Power quality<br>Energy metering<br>Instantaneous and demand values<br>Maintenance indicators<br>Demand current and power |
| **Electrical data recording** | Maintenance indicators |

## Environment

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|---|---|
| **Standards** | EN/IEC 60947-2<br>UL 508 |
| **Product certifications** | Marine<br>EAC<br>CCC |
| **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 Weight** | 1.825 kg |

| Package 1 Height | 13.7 cm |
|---|---|
| Package 1 width | 17.7 cm |
| Package 1 Length | 21.5 cm |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 10 |
| Package 2 Weight | 18.92 kg |
| Package 2 Height | 30.0 cm |
| Package 2 width | 40.0 cm |
| Package 2 Length | 60.0 cm |

## Offer Sustainability

| Sustainable offer status | Green Premium product |
|---|---|
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant<br>EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| California proposition 65 | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov |

## Contractual warranty

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

### Recommended replacement(s)

LV432111 is replaced by:

1x    Trip unit MicroLogic 6.3E, ComPacT NSX630, 4 poles, electronic basic and ground fault protections, energy meter, 630A

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