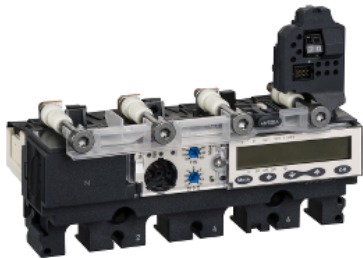


Product data sheet

Specifications



trip unit MicroLogic 5.2 E for ComPact NSX 100/160/250 circuit breakers, electronic, rating 100A, 4 poles 4d

LV429105

⚠ To be discontinued

⚠ Discontinued on: 30 September 2022

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

| | |
|--------------------------------|--|
| Range | ComPact |
| Range of product | ComPact NSX100...250 |
| Product or component type | Trip unit |
| Trip unit name | Micrologic 5.2 E |
| Trip unit technology | Electronic |
| Range compatibility | ComPact NSX100 ComPact NSX160 ComPact NSX250 |
| Device application | Distribution |
| Number of poles | 4P |
| Protected poles description | 3t + N/2 3t + OSN 4t 3t |
| Neutral position | Left |
| Trip unit protection functions | LSI |
| Protection type | L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection |
| Trip unit rated current | 100 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 | 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 0.35...11 s at 7.2 x Ir 0.5...16 s at 6 x Ir |
| 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 ² t=off 0.1...0.4 s I ² t=on |
| Instantaneous protection pick-up adjustment type li | Adjustable |
| [li] instantaneous protection pick-up adjustment range | 1.5...15 x In |
| Earth-leakage protection | Without |
| Neutral protection settings | 0.5 x Ir (3t + N/2) 1 x Ir (4t) 1.6 x Ir (3t + OSN) No protection (3t) |
| Zone selective interlocking ZSI | With |
| Local signalling | Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload |
| Display type | LCD display |
| Type of measurement | Energy meter |
| Communication of data | Instantaneous and demand values Maintenance indicators Energy metering Demand current and power Maximeters/minimeters Time-stamped histories and event tables Power quality Protection and alarm settings |
| Electrical data recording | Maintenance indicators |

Environment

| | |
|---------------------------------------|--------------------------|
| Standards | EN/IEC 60947-2 UL 508 |
| Product certifications | EAC Marine CCC |
| 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 | 680.0 g |
| Package 1 Height | 10.0 cm |
| Package 1 width | 11.0 cm |
| Package 1 Length | 15.2 cm |
| Unit Type of Package 2 | S03 |

| | |
|------------------------------|----------|
| Number of Units in Package 2 | 11 |
| Package 2 Weight | 7.967 kg |
| Package 2 Height | 30.0 cm |
| Package 2 width | 30.0 cm |
| Package 2 Length | 40.0 cm |

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 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)

LV429105 is replaced by:

1x



Trip unit MicroLogic 5.2E, ComPacT NSX100/160/250, 4 poles, electronic basic protections, energy meter, 100A rating
C1045E100