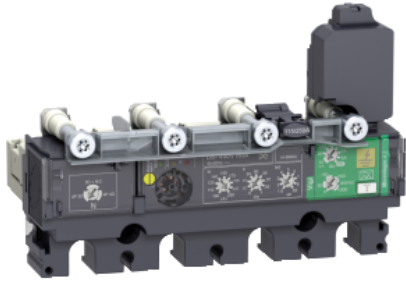


Product data sheet

Specifications



trip unit MicroLogic 4.2 for ComPact NSX 250 circuit breakers, electronic, rating 250A, 4 poles 4d

LV433808

! 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

| | |
|--------------------------------|--|
| Range | ComPact |
| Range of product | ComPact NSX100...250 |
| Product or component type | Trip unit |
| Trip unit name | Micrologic 4.2 |
| Trip unit technology | Electronic |
| Range compatibility | ComPact NSX250 |
| Device application | Distribution |
| Number of poles | 4P |
| Protected poles description | 4t 3t + N/2 3t |
| Neutral position | Left |
| Trip unit protection functions | LSolR |
| Protection type | L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection |
| Trip unit rated current | 250 A at 40 °C |
| [Ue] rated operational voltage | 440 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 | 100...250 A |
| Long-time protection delay adjustment type tr | Fixed |
| [Tr] long-time protection delay adjustment range | 11 s at 7.2 x Ir 16 s at 6 x Ir 400 s at 1.5 x Ir |

| | |
|---|--|
| 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 | Fixed |
| [Tsd] Short-time protection delay adjustment range | 0.02 s |
| Instantaneous protection pick-up adjustment type li | Fixed |
| [li] instantaneous protection pick-up adjustment range | 3000 A |
| Earth-leakage protection | Integrated |
| Earth-leakage protection class | Class A |
| Earth-leakage protection sensitivity adjustment type IΔn | Adjustable |
| [IΔn] earth-leakage protection sensitivity adjustment range | 500 mA 3 A 300 mA 30 mA 1 A 5 A 100 mA |
| Earth-leakage protection specific mode | OFF using the IΔn rotary switch |
| Earth-leakage protection time delay adjustment type Δt | Adjustable |
| [Δt] Earth-leakage protection time delay adjustment range | 0 ms 150 ms 60 ms 1 s 500 ms |
| Neutral protection settings | 0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t) |
| Zone selective interlocking ZSI | Without |
| Local signalling | Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload Color indicator (yellow) for residual current |

Environment

| | |
|---------------------------------------|---|
| Standards | UL 508 EN 60947-2 IEC 60947-2 NEMA AB1 |
| Product certifications | CB CCC EAC |
| 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 | 800.0 g |
| Package 1 Height | 9.8 cm |
| Package 1 width | 11.0 cm |
| Package 1 Length | 15.0 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 10 |
| Package 2 Weight | 8.396 kg |
| Package 2 Height | 30.0 cm |
| Package 2 width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 80 |
| Package 3 Weight | 76.0 kg |
| Package 3 Height | 74.0 cm |
| Package 3 width | 60.0 cm |
| Package 3 Length | 80.0 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)

LV433808 is replaced by:

1x



Trip unit MicroLogic Vigi 4.2, ComPacT NSX250, 4 poles, electronic basic and earth leakage protections, 250A rating

C2544V250