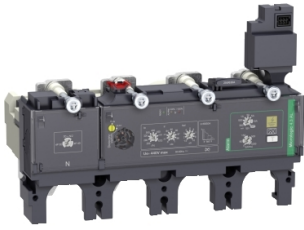


Product data sheet

Specifications



trip unit MicroLogic 4.3 AL for
ComPact NSX 630 circuit breakers,
electronic, rating 570A, 4 poles 4d

LV433963

Main

| | |
|--------------------------------|--|
| Range | ComPact |
| Range of product | ComPact NSX400...630 |
| Product or component type | Trip unit |
| Trip unit name | MicroLogic 4.3 AL |
| Trip unit technology | Electronic |
| Range compatibility | ComPact NSX630 |
| Device application | Distribution |
| Number of poles | 4P |
| Protected poles description | 4t 3t 3t + N/2 |
| Neutral position | Left |
| Trip unit protection functions | LSol |
| Protection type | L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection |
| Trip unit rated current | 570 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 | 250...570 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 |

List Price displayed is VAT EXCLUSIVE.

| | |
|---|--|
| Instantaneous protection pick-up adjustment type Ii | Fixed |
| [Ii] instantaneous protection pick-up adjustment range | 6900 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 | 3 A 10 A 5 A 1 A 500 mA 300 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 | 60 ms 0 ms 500 ms 150 ms 1 s |
| 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 IEC 60947-2 EN 60947-2 NEMA AB1 |
| Product certifications | CCC CB EAC |
| 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 | 17.300 cm |
| Package 1 Width | 21.500 cm |
| Package 1 Length | 25.900 cm |
| Package 1 Weight | 2.405 kg |
| Unit Type of Package 2 | S03 |

| | |
|-------------------------------------|-----------|
| Number of Units in Package 2 | 2 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 5.201 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 | 415 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 17 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.3 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 397 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.4 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |

Use Better



Materials and Substances

| | |
|-------------------|--------------------------------------|
| SCIP Number | A1d861ac-6b8f-42ac-bf95-85bf836b3024 |
| EU RoHS Directive | Compliant |
| PVC free | Yes |

Use Longer



Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

Use Again



Repack and remanufacture

| | |
|---------------------------------|---|
| End of life manual availability | End of Life Information |
| WEEE Label |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |