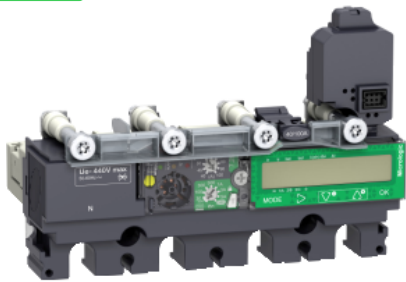


# Product data sheet

Specifications



trip unit MicroLogic 7.2 E for  
ComPact NSX 100/160/250 circuit  
breakers, electronic, rating 100A, 4  
poles 4d

LV433880

⚠ 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 7.2 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 4t 3t + OSN
Neutral position	Left
Trip unit protection functions	LSIR
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection R : for earth-leakage protection
Trip unit rated current	100 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	40...100 A
Long-time protection delay adjustment type tr	Adjustable

<b>[Tr] long-time protection delay adjustment range</b>	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
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type Isd</b>	Adjustable
<b>[Isd] Short-time protection pick-up adjustment range</b>	1.5...10 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Adjustable
<b>[Tsd] Short-time protection delay adjustment range</b>	0...0.4 s
<b>Instantaneous protection pick-up adjustment type li</b>	Adjustable
<b>[li] instantaneous protection pick-up adjustment range</b>	1500 A
<b>Earth-leakage protection</b>	Integrated
<b>Earth-leakage protection class</b>	Class A
<b>Earth-leakage protection sensivity adjustment type IΔn</b>	Adjustable
<b>[IΔn] earth-leakage protection sensitivity adjustment range</b>	500 mA 30 mA 5 A 100 mA 300 mA 3 A 1 A
<b>Earth-leakage protection specific mode</b>	OFF using the IΔn rotary switch
<b>Earth-leakage protection time delay adjustment type Δt</b>	Adjustable
<b>[Δt] Earth-leakage protection time delay adjustment range</b>	0 ms 150 ms 500 ms 60 ms 1 s
<b>Neutral protection settings</b>	0.5 x Ir (3t + N/2) 1 x Ir (4t) 1.6 x Ir (3t + OSN) No protection (3t)
<b>Zone selective interlocking ZSI</b>	Without
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
<b>Display type</b>	LCD display
<b>Type of measurement</b>	Energy meter
<b>Communication of data</b>	Maximeters/minimeters Maintenance indicators Test reports Demand current and power Time-stamped histories and event tables Earth leakage current Energy metering Protection and alarm settings Power quality Instantaneous and demand values

## Environment

<b>Standards</b>	IEC 60947-2 UL 508 NEMA AB1 EN 60947-2
<b>Product certifications</b>	CCC CB

	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	816 g
Package 1 Height	10 cm
Package 1 width	11 cm
Package 1 Length	15 cm
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Weight	8.654 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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 - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Contractual warranty

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

Recommended replacement(s)

LV433880 is replaced by:

1x



Trip unit MicroLogic Vigi 7.2E, ComPacT NSX100/160/250, 4 poles, basic and earth leakage protections, energy meter, 100A  
C1047E100