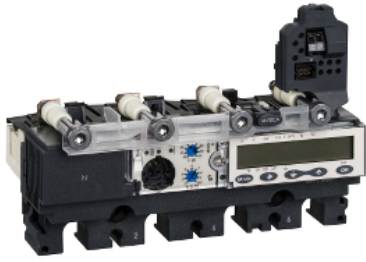


# Product data sheet

Specifications



## trip unit MicroLogic 6.2 A for ComPact NSX 100/160/250 circuit breakers, electronic, rating 100A, 4 poles 4d

LV429135

⚠ Discontinued

⚠ Discontinued on: 16 September 2021

### Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	Micrologic 6.2 A
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 4t 3t 3t + OSN
Neutral position	Left
Trip unit protection functions	LSIG
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault 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 I <sub>r</sub> (thermal protection)	Adjustable 9 settings
[I <sub>r</sub> ] long-time protection pick-up adjustment range	40...100 A
Long-time protection delay adjustment type t <sub>r</sub>	Adjustable
[T <sub>r</sub> ] long-time protection delay adjustment range	15...400 s at 1.5 x I <sub>r</sub> 0.35...11 s at 7.2 x I <sub>r</sub> 0.5...16 s at 6 x I <sub>r</sub>

<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type lsd</b>	Adjustable 9 settings
<b>[I<sub>sd</sub>] Short-time protection pick-up adjustment range</b>	1.5...10 x I <sub>r</sub>
<b>Short-time protection delay adjustment type tsd</b>	Adjustable
<b>[T<sub>sd</sub>] Short-time protection delay adjustment range</b>	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
<b>Instantaneous protection pick-up adjustment type li</b>	Adjustable
<b>[I<sub>i</sub>] instantaneous protection pick-up adjustment range</b>	1.5...12 x I <sub>n</sub> Compact NSX250 1.5...15 x I <sub>n</sub> Compact NSX100 1.5...15 x I <sub>n</sub> Compact NSX160
<b>Ground-fault protection pick-up adjustment type lg</b>	Adjustable
<b>[I<sub>g</sub>] ground-fault protection pick-up adjustment range</b>	0.2...1 x I <sub>n</sub> for I <sub>n</sub> = 40 A 0.4...1 x I <sub>n</sub> for I <sub>n</sub> > 40 A lg enable on/off
<b>Ground-fault protection time delay adjustment type tg</b>	Adjustable
<b>[T<sub>g</sub>] ground-fault protection time delay adjustment range</b>	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
<b>Earth-leakage protection</b>	Without
<b>Neutral protection settings</b>	0.5 x I <sub>r</sub> (3t + N/2) 1 x I <sub>r</sub> (4t) 1.6 x I <sub>r</sub> (3t + OSN) No protection (3t)
<b>Zone selective interlocking ZSI</b>	With
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 105 % I <sub>r</sub> (red) for overload LED 90 % I <sub>r</sub> (orange) for overload
<b>Display type</b>	LCD display
<b>Type of measurement</b>	Ammeter
<b>Communication of data</b>	Instantaneous and demand values Power quality Demand current and power Protection and alarm settings Maximeters/minimeters Time-stamped histories and event tables Maintenance indicators Energy metering
<b>Electrical data recording</b>	Maintenance indicators

## Environment

<b>Standards</b>	UL 508 EN/IEC 60947-2
<b>Product certifications</b>	CCC Marine EAC
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	666.0 g

Package 1 Height	9.5 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	11
Package 2 Weight	7.75 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
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
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## Recommended replacement(s)