

# Product data sheet

Specifications



## trip unit MicroLogic 2.2 M for ComPact NSX 250 circuit breakers, electronic, rating 220 A, 3 poles 3d

LV431520

! 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 2.2 M
Trip unit technology	Electronic
Range compatibility	ComPact NSX250
Device application	Motor
Number of poles	3P
Protected poles description	3t
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	220 A at 65 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz

### Complementary

Motor tripping class	20 5 10
Complementary motor protection	Phase unbalance
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	100...220 A
Long-time protection delay adjustment type tr	Fixed
[Tr] long-time protection delay adjustment range	120 s at 1.5 x Ir for trip class 5 6.5 s at 6 x Ir for trip class 5 5 s at 7.2 x Ir for trip class 5

240 s at 1.5 x Ir for trip class 10  
 13.5 s at 6 x Ir for trip class 10  
 10 s at 7.2 x Ir for trip class 10  
 480 s at 1.5 x Ir for trip class 20  
 26 s at 6 x Ir for trip class 20  
 20 s at 7.2 x Ir for trip class 20

<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time protection pick-up adjustment type Isd</b>	Adjustable 9 settings
<b>[Isd] Short-time protection pick-up adjustment range</b>	5...13 x Ir
<b>Short-time protection delay adjustment type tsd</b>	Fixed
<b>[Tsd] Short-time protection delay adjustment range</b>	0.01 s
<b>Instantaneous protection pick-up adjustment type li</b>	Fixed
<b>[li] instantaneous protection pick-up adjustment range</b>	3300 A
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	Without
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 95 % lth (red) for temperature over set point

## Environment

<b>Standards</b>	EN/IEC 60947-2 UL 508
<b>Product certifications</b>	CCC EAC Marine
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...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>	440.0 g
<b>Package 1 Height</b>	6.5 cm
<b>Package 1 width</b>	9.5 cm
<b>Package 1 Length</b>	11.0 cm
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	28
<b>Package 2 Weight</b>	12.7 kg
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant

<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>California proposition 65</b>	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

<b>Warranty</b>	18 months
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## Recommended replacement(s)

LV431520 is replaced by:

1x



Trip unit MicroLogic 2.2M, ComPacT NSX250, 3 poles, electronic basic protections, motor protection, 220A rating  
C2532M220