

# Product data sheet

## Characteristics

# LV429174

trip unit MicroLogic 2.2 M for ComPact NSX  
100/160/250 circuit breakers, electronic, rating  
25 A, 3 poles 3d



### 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 NSX100 ComPact NSX160 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	25 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	10 5 20
Complementary motor protection	Phase unbalance
Long-time pick-up adjustment type $I_r$ (thermal protection)	Adjustable 9 settings
[ $I_r$ ] long-time protection pick-up adjustment range	12...25 A
Long-time protection delay adjustment type $t_r$	Fixed
[ $t_r$ ] long-time protection delay adjustment range	120 S at 1.5 x $I_r$ for trip class 5 6.5 S at 6 x $I_r$ for trip class 5 5 S at 7.2 x $I_r$ for trip class 5 240 S at 1.5 x $I_r$ for trip class 10 13.5 S at 6 x $I_r$ for trip class 10 10 S at 7.2 x $I_r$ for trip class 10 480 S at 1.5 x $I_r$ for trip class 20 26 S at 6 x $I_r$ for trip class 20 20 s at 7.2 x $I_r$ for trip class 20
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type $I_{sd}$	Adjustable 9 settings
[ $I_{sd}$ ] Short-time protection pick-up adjustment range	5...13 x $I_r$
Short-time protection delay adjustment type $t_{sd}$	Fixed
[ $t_{sd}$ ] Short-time protection delay adjustment range	0.01 s
Instantaneous protection pick-up adjustment type $I_i$	Fixed
[ $I_i$ ] instantaneous protection pick-up adjustment range	425 A

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Earth-leakage protection	Without
Local signalling	Flashing LED (green) for ready to operate LED 95 % Ith (red) for temperature over set point

## Environment

Standards	UL 508 EN/IEC 60947-2
Product certifications	EAC Marine CCC
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	450 g
Package 1 Height	6.2 cm
Package 1 width	9.5 cm
Package 1 Length	11 cm
Unit Type of Package 2	S03
Number of Units in Package 2	28
Package 2 Weight	13.4 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	<input checked="" type="checkbox"/> REACH Declaration
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> China RoHS Declaration
Environmental Disclosure	<input checked="" type="checkbox"/> Product Environmental Profile
Circularity Profile	<input checked="" type="checkbox"/> 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

## Contractual warranty

Warranty	18 months
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