

# Product data sheet

## Characteristics

# LV429182

trip unit MicroLogic 6.2 E-M for ComPact NSX  
100/160/250 circuit breakers, electronic, rating  
50 A, 3 poles 3d



### Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	Micrologic 6.2 E-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	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	50 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	30 5 20 10
Complementary motor protection	Protracted starting time Underload Current unbalance Stalled rotor
Long-time pick-up adjustment type $Ir$ (thermal protection)	Adjustable 9 settings
[ $Ir$ ] long-time protection pick-up adjustment range	25...50 A
Long-time protection delay adjustment type $tr$	Adjustable
[ $tr$ ] long-time protection delay adjustment range	120 S at $1.5 \times Ir$ for trip class 5 6.5 S at $6 \times Ir$ for trip class 5 5 S at $7.2 \times Ir$ for trip class 5 240 S at $1.5 \times Ir$ for trip class 10 13.5 S at $6 \times Ir$ for trip class 10 10 S at $7.2 \times Ir$ for trip class 10 480 S at $1.5 \times Ir$ for trip class 20 26 S at $6 \times Ir$ for trip class 20 20 S at $7.2 \times Ir$ for trip class 20 720 S at $1.5 \times Ir$ for trip class 30 38 S at $6 \times Ir$ for trip class 30 30 s at $7.2 \times Ir$ for trip class 30
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type $Isd$	Adjustable 9 settings
[ $Isd$ ] Short-time protection pick-up adjustment range	5...13 $\times Ir$

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Short-time protection delay adjustment type tsd	Fixed
[tsd] Short-time protection delay adjustment range	0.01 s
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	750 A
Ground-fault protection pick-up adjustment type lg	Adjustable
[lg] ground-fault protection pick-up adjustment range	0.2...1 x $I_n$ for $I_n > 50$ A 0.3...1 x $I_n$ for $I_n = 50$ A 0.6...1 x $I_n$ for $I_n = 25$ A lg enable on/off
Ground-fault protection time delay adjustment type tg	Adjustable
[tg] ground-fault protection time delay adjustment range	0...0.4 s
Earth-leakage protection	Without
Zone selective interlocking ZSI	With
Local signalling	Flashing LED (green) for ready to operate LED 95 % $I_{th}$ (red) for temperature over set point
Display type	LCD display
Type of measurement	Energy meter
Electrical data recording	Maintenance indicators

## Environment

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

## Packing Units

Package 1 Weight	0.547 kg
Package 1 Height	0.950 dm
Package 1 width	1.100 dm
Package 1 Length	1.500 dm

## 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	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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