

# Product data sheet

## Characteristics

### LV430495

trip unit MicroLogic 5.2 A for ComPact NSX  
160/250 circuit breakers, electronic, rating  
160A, 4 poles 4d



#### Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	Micrologic 5.2 A
Trip unit technology	Electronic
Range compatibility	ComPact NSX160 ComPact NSX250
Device application	Distribution
Number of poles	4P
Protected poles description	3t + OSN 3t 3t + N/2 4t
Neutral position	Left
Trip unit protection functions	LSI
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection
Trip unit rated current	160 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 $Ir$ (thermal protection)	Adjustable 9 settings
[ $Ir$ ] long-time protection pick-up adjustment range	63...160 A
Long-time protection delay adjustment type $tr$	Adjustable
[ $tr$ ] long-time protection delay adjustment range	15...400 S at $1.5 \times Ir$ 0.35...11 S at $7.2 \times Ir$ 0.5...16 s at $6 \times Ir$
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	1.5...10 $\times Ir$
Short-time protection delay adjustment type $tsd$	Adjustable
[ $tsd$ ] Short-time protection delay adjustment range	0...0.4 S $I^2t=off$ 0.1...0.4 s $I^2t=on$
Instantaneous protection pick-up adjustment type $li$	Adjustable
[ $li$ ] instantaneous protection pick-up adjustment range	1.5...15 $\times In$
Earth-leakage protection	Without
Neutral protection settings	0.5 $\times Ir$ (3t + N/2) 1 $\times Ir$ (4t) 1.6 $\times Ir$ (3t + OSN) No protection (3t)
Zone selective interlocking ZSI	With

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Local signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Display type	LCD display
Type of measurement	Ammeter
Communication of data	Protection and alarm settings Maximeters/Minimeters Energy metering Maintenance indicators Demand current and power Power quality Instantaneous and demand values Time-stamped histories and event tables
Electrical data recording	Maintenance indicators

## Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	CCC EAC Marine
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	655 g
Package 1 Height	9.5 cm
Package 1 width	11 cm
Package 1 Length	15 cm
Unit Type of Package 2	S03
Number of Units in Package 2	11
Package 2 Weight	7.631 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	 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>
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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