

# Product data sheet

## Characteristics

# LV429639

## switch disconnecter Compact NSX100NA, 4 poles, 100 A, AC22A, AC23A



### Main

Range	Compact
Product name	Compact NSX
Product or component type	Switch disconnecter
Device short name	Compact NSX100NA
Poles description	4P
Network type	AC DC
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC 3 poles in series conforming to IEC 60947-3 500 V DC 2 poles in series conforming to IEC 60947-3 250 V DC 1 pole conforming to IEC 60947-3
[Ie] rated operational current	AC-22A: 100 A AC 50/60 Hz 220...690 V AC-23A: 100 A AC 50/60 Hz 220...690 V DC-22A: 100 A DC 250 V 1 pole DC-22A: 100 A DC 500 V 2 poles in series DC-23A: 100 A DC 250 V 1 pole DC-23A: 100 A DC 500 V 2 poles in series
[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-3
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-3
[Ith] conventional free air thermal current	100 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 2.6 kA switch-disconnector alone
Breaking capacity code	NA
Suitability for isolation	Yes conforming to EN 60947-3 Yes conforming to IEC 60947-3
Contact position indicator	Yes
Visible break	No
Pollution degree	3 conforming to IEC 60664-1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[I <sub>cw</sub> ] rated short-time withstand current	0.69 kA during 20 s conforming to IEC 60947-3 1.8 kA during 1 s conforming to IEC 60947-3 1.8 kA during 3 s conforming to IEC 60947-3
Mechanical durability	50000 cycles conforming to IEC 60947-3
Electrical durability	AC-22A: 10000 cycles 250 V DC I <sub>n</sub> /2 (1 pole) conforming to IEC 60947-3 AC-22A: 15000 cycles 690 V AC 50/60 Hz I <sub>n</sub> /2 conforming to IEC 60947-3 AC-22A: 20000 cycles 440 V AC 50/60 Hz I <sub>n</sub> conforming to IEC 60947-3 AC-22A: 35000 cycles 440 V AC 50/60 Hz I <sub>n</sub> /2 conforming to IEC 60947-3 AC-22A: 5000 cycles 500 V DC I <sub>n</sub> (2 poles in series) conforming to IEC 60947-3 AC-22A: 8000 cycles 690 V AC 50/60 Hz I <sub>n</sub> conforming to IEC 60947-3 AC-23A: 10000 cycles 250 V DC I <sub>n</sub> /2 (1 pole) conforming to IEC 60947-3 AC-23A: 15000 cycles 690 V AC 50/60 Hz I <sub>n</sub> /2 conforming to IEC 60947-3 AC-23A: 20000 cycles 440 V AC 50/60 Hz I <sub>n</sub> conforming to IEC 60947-3 AC-23A: 35000 cycles 440 V AC 50/60 Hz I <sub>n</sub> /2 conforming to IEC 60947-3 AC-23A: 5000 cycles 500 V DC I <sub>n</sub> (2 poles in series) conforming to IEC 60947-3 AC-23A: 8000 cycles 690 V AC 50/60 Hz I <sub>n</sub> conforming to IEC 60947-3
Connection pitch	35 mm
Height	161 mm
Width	140 mm
Depth	86 mm
Net weight	2.2 kg

## Environment

Standards	EN/IEC 60947 UL 508
Product certifications	EAC CCC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Electrical shock protection class	Class II
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

## 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	<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

## Contractual warranty

Warranty	18 months
----------	-----------



# SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

# [www.scatts.co.uk](http://www.scatts.co.uk)