

## Product datasheet

### Characteristics

# LV432957

## switch disconnecter Compact NSX630NA, 4 poles, 630 A, AC22A, AC23A



### Main

Range	Compact
Product name	Compact NSX
Product or component type	Switch disconnecter
Device short name	Compact NSX630NA
Poles description	4P
Network type	AC
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3
[Ie] rated operational current	AC-22A: 630 A AC 50/60 Hz 220...690 V AC-23A: 630 A AC 50/60 Hz 220...690 V
[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	630 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 8.5 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

### Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[Icw] rated short-time withstand current	2.32 kA during 20 s conforming to IEC 60947-3

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6 kA during 1 s conforming to IEC 60947-3  
6 kA during 3 s conforming to IEC 60947-3

Mechanical durability	15000 cycles conforming to IEC 60947-3
Electrical durability	AC-22A: 1500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 1500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3
Connection pitch	45 mm
Height	255 mm
Width	185 mm
Depth	110 mm
Net weight	6.8 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
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
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