

# Product data sheet

Specifications



## switch disconnecter ComPact NSX630 NA, 3 poles, 630 A

LV432956

### Main

|                                             |                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------|
| Range                                       | ComPact                                                                             |
| Product name                                | ComPact NSX                                                                         |
| Product or component type                   | Switch disconnecter                                                                 |
| Device short name                           | Compact NSX630NA                                                                    |
| Poles description                           | 3P                                                                                  |
| 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<br>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<br>8.5 kA switch-disconnector alone |
| Breaking capacity code                      | NA                                                                                  |
| Suitability for isolation                   | Yes conforming to EN 60947-3<br>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<br>6 kA during 1 s conforming to IEC 60947-3<br>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<br>AC-22A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3<br>AC-22A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>AC-22A: 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>AC-23A: 1500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3<br>AC-23A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3<br>AC-23A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>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                 | 140 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Depth                 | 110 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Net weight            | 5.2 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947<br>UL 508       |
| Product certifications                | EAC<br>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                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Weight             | 5.583 kg  |
| Package 1 Height             | 15.5 cm   |
| Package 1 width              | 15.8 cm   |
| Package 1 Length             | 29 cm     |
| Unit Type of Package 2       | S04       |
| Number of Units in Package 2 | 3         |
| Package 2 Weight             | 17.851 kg |
| Package 2 Height             | 30 cm     |
| Package 2 width              | 40 cm     |
| Package 2 Length             | 60 cm     |

## Offer Sustainability

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| Sustainable offer status   | Green Premium product                            |
| REACH Regulation           | <a href="#">REACH Declaration</a>                |
| EU RoHS Directive          | Compliant<br><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>           |

|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 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 |
| California proposition 65 | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                  |

Contractual warranty

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

Recommended replacement(s)

LV432956 is replaced by:

|    |                                                                                   |                                                                                |
|----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1x |  | switch disconnecter ComPacT NSX630NA, 3 poles, 630 A, AC22A, AC23A<br>C633630S |
|----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|