Product data sheet
Characteristics

C103100S
Switch disconnector, ComPacT NSX100NA, 3 poles, fixed, thermal current Ith 100A



Main

Range	ComPacT
Product name	ComPacT NSX
Device short name	NSX100NA
Product or component type	Switch disconnector
Device application	Distribution
Poles description	3P
[Ith] conventional free air thermal current	100 A at 50 °C
[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 DC-22A: 100 A DC 750 V 3 poles in series DC-23A: 100 A DC 750 V 3 poles in series
[Ue] rated operational voltage	690 V AC 50/60 Hz 750 V DC 3 poles in series 500 V DC 2 poles in series 250 V DC 1 pole
Network type	AC DC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	AC-22A AC-23A DC-22A DC-23A
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[Icw] rated short-time withstand current	1.8 KA during 1 s 1.8 KA during 3 s 0.69 KA during 20 s
[Icm] rated short-circuit making capacity	330 KA with upstream protection circuit breaker 2.6 KA switch-disconnector alone
Control type	Toggle
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 KV

Complementary

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 Mm
Mechanical durability	50000 Cycles
Electrical durability	AC-22A: 35000 cycles 440 V AC 50/60 Hz In/2 AC-23A: 35000 cycles 440 V AC 50/60 Hz In/2 AC-22A: 20000 cycles 440 V AC 50/60 Hz In AC-23A: 20000 cycles 440 V AC 50/60 Hz In AC-22A: 15000 cycles 690 V AC 50/60 Hz In/2 AC-23A: 15000 cycles 690 V AC 50/60 Hz In/2 AC-22A: 8000 cycles 690 V AC 50/60 Hz In AC-23A: 8000 cycles 690 V AC 50/60 Hz In DC-22A: 10000 cycles 250 V DC In/2 (1 pole) DC-23A: 10000 cycles 250 V DC In/2 (1 pole) DC-22A: 5000 cycles 500 V DC In (2 poles in series) DC-23A: 5000 cycles 500 V DC In (2 poles in series)
Width	105 Mm
Height	161 Mm
Depth	86 Mm
Net weight	1.8 Kg
Standards	EN/IEC 60947-1 EN/IEC 60947-3

Environment

IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60664-1
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-50…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.000 Cm
Package 1 Width	11.200 Cm
Package 1 Length	19.000 Cm
Package 1 Weight	1.732 Kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	12.521 Kg

Offer Sustainability

Recyclability potential, in %	54
Total lifecycle Carbon footprint	97 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	9.810285714285715
Carbon footprint of the manufacturing phase [A1 to A3]	10 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.5119505539358601
Carbon footprint of the distribution phase [A4]	0.5 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.14990717201166182
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	84.01536
Carbon footprint of the use phase [B2, B3, B4, B6]	84 kg CO2 eq.

Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	3.002544606413994
Carbon footprint of the end-of-life phase [C1 to C4]	3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	97
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	3874e08b-fcb8-4aa9-87c4-d36abebf2833
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised