Product data sheet
Characteristics

C114100BS
Switch disconnector, ComPacT NSXm 100NA, 4 poles, thermal current Ith 100A, compression lugs and busbar connectors



Main

Range	ComPacT new generation
Product name	ComPacT NSXm new generation
Device short name	NSXm 100NA
Product or component type	Switch disconnector
Device application	Distribution
Poles description	4P
[Ith] conventional free air thermal current	100 A at 40 °C
[Ie] rated operational current	AC-23: 100 A AC 50/60 Hz AC-22: 100 A AC 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	AC-22A AC-23A
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[Icw] rated short-time withstand current	1500 A during 1 s 1500 A during 3 s 335 A during 20 s
[Icm] rated short-circuit making capacity	2.13 KA switch-disconnector alone 150 kA with upstream protection circuit breaker
Control type	Toggle
[Ui] rated insulation voltage	800 V
[Uimp] rated impulse withstand voltage	8 kV

Complementary

Mounting support	35 mm symmetrical DIN rail Backplate
Connection pitch	27 mm
Connections - terminals	1 crimp lug wire size 2.5…120 mm², rigid or stranded aluminium/copper 1 crimp lug wire size 2.5…95 mm², flexible aluminium/copper bars
Mechanical durability	20000 cycles
Electrical durability	AC-22A: 20000 cycles 440 V AC 50/60 Hz Ie/2 AC-23A: 20000 cycles 440 V AC 50/60 Hz Ie/2 AC-22A: 10000 cycles 440 V AC 50/60 Hz Ie AC-23A: 10000 cycles 440 V AC 50/60 Hz Ie AC-22A: 10000 cycles 690 V AC 50/60 Hz Ie/2 AC-23A: 6000 cycles 690 V AC 50/60 Hz Ie/2 AC-22A: 5000 cycles 690 V AC 50/60 Hz Ie AC-23A: 3000 cycles 690 V AC 50/60 Hz Ie
Width (W)	108 mm
Height (H)	137 mm

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Depth (D)	80 mm
Net weight	1.42 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-3
Product certifications	CE EAC CCC

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 Weight	1.6 kg
Package 1 Height	13.0 cm
Package 1 width	12.0 cm
Package 1 Length	22.0 cm
Unit Type of Package 2	P12
Number of Units in Package 2	144
Package 2 Weight	254.49 kg
Package 2 Height	150.0 cm
Package 2 width	80.0 cm
Package 2 Length	120.0 cm
Unit Type of Package 3	S03
Number of Units in Package 3	6
Package 3 Weight	10.19 kg
Package 3 Height	30.0 cm
Package 3 width	30.0 cm
Package 3 Length	40.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 mois