

# Product data sheet

## Characteristics

# C124160BS

Switch disconnector, ComPacT NSXm 160NA, 4 poles, thermal current  $I_{th}$  160A, compression lugs and busbar connectors



### Main

Range	ComPacT new generation
Product name	ComPacT NSXm new generation
Device short name	NSXm 160NA
Product or component type	Switch disconnector
Device application	Distribution
Poles description	4P
$[I_{th}]$ conventional free air thermal current	160 A at 40 °C
$[I_e]$ rated operational current	AC-23: 100 A AC 50/60 Hz AC-22: 160 A AC 50/60 Hz
$[U_e]$ 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
$[I_{cw}]$ rated short-time withstand current	1500 A during 1 s 1500 A during 3 s 335 A during 20 s
$[I_{cm}]$ rated short-circuit making capacity	2.13 KA switch-disconnector alone 150 kA with upstream protection circuit breaker
Control type	Toggle
$[U_i]$ rated insulation voltage	800 V
$[U_{imp}]$ 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 mm <sup>2</sup> , rigid or stranded aluminium/copper 1 crimp lug wire size 2.5...95 mm <sup>2</sup> , flexible aluminium/copper bars
Mechanical durability	20000 cycles
Electrical durability	AC-22A: 20000 cycles 440 V AC 50/60 Hz $I_e/2$ AC-23A: 20000 cycles 440 V AC 50/60 Hz $I_e/2$ AC-22A: 10000 cycles 440 V AC 50/60 Hz $I_e$ AC-23A: 10000 cycles 440 V AC 50/60 Hz $I_e$ AC-22A: 10000 cycles 690 V AC 50/60 Hz $I_e/2$ AC-23A: 6000 cycles 690 V AC 50/60 Hz $I_e/2$ AC-22A: 5000 cycles 690 V AC 50/60 Hz $I_e$ AC-23A: 3000 cycles 690 V AC 50/60 Hz $I_e$
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[RETURN]EAC[RETURN]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 Height	12.000 cm
Package 1 Width	13.000 cm
Package 1 Length	22.000 cm
Package 1 Weight	1.440 kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.190 kg
Unit Type of Package 3	P12
Number of Units in Package 3	144
Package 3 Height	150.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	254.490 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
Halogen content performance	Halogen free plastic parts product