

Product data sheet

Characteristics

C164160D1S

Switch disconnector, ComPacT NSX160NA DC PV, 4 poles, fixed, 160A rating, 1000V



Main

Range	ComPacT new generation
Product name	ComPacT NSX DC PV
Device short name	NSX160NA DC PV
Product or component type	Switch disconnector
Device application	Photovoltaic
Poles description	4P
[I _{th}] conventional free air thermal current	120 A at 65 °C
[I _e] rated operational current	DC-22A: 160 A DC 1000 V
[U _e] rated operational voltage	1000 V DC
Network type	DC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	DC-22A
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[I _{cw}] rated short-time withstand current	2.5 kA during 1 s
[I _{cm}] rated short-circuit making capacity	2.5 kA switch-disconnector alone
Control type	Toggle
[U _i] rated insulation voltage	1000 V DC
[U _{imp}] rated impulse withstand voltage	8 kV

Complementary

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Mechanical durability	10000 cycles
Electrical durability	1000 cycles 1000 V DC In
Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.8 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	13.8 cm
Package 1 Width	14.8 cm
Package 1 Length	19.0 cm
Package 1 Weight	2.607 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations
PVC free	Yes