Product data sheet
Characteristics

C164160D1S
Switch disconnector, ComPacT NSX160NA DC PV, 4 poles, fixed, 160A rating, 1000V



Main

Range	ComPacT
Product name	ComPacT NSX DC PV
Device short name	NSX160NA DC PV
Product or component type	Switch disconnector
Device application	Photovoltaic
Poles description	4P
[Ith] conventional free air thermal current	120 A at 65 °C
[Ie] rated operational current	DC-22A: 160 A DC 1000 V
[Ue] 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
[Icw] rated short-time withstand current	2.5 KA during 1 s
[Icm] rated short-circuit making capacity	2.5 KA switch-disconnector alone
Control type	Toggle
[Ui] rated insulation voltage	1000 V DC
[Uimp] 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	140 Mm
Height	161 Mm
Depth	86 Mm
Net weight	2.8 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	13.8 Cm
Package 1 Width	14.8 Cm
Package 1 Length	19.0 Cm
Package 1 Weight	2.607 Kg

Offer Sustainability

Recyclability potential, in %	59
Total lifecycle Carbon footprint	293 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	17.129303910768385
Carbon footprint of the manufacturing phase [A1 to A3]	17 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.34090599559350043
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.222718645001377
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	270.2301316129032
Carbon footprint of the use phase [B2, B3, B4, B6]	270 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	5.332108372349215
Carbon footprint of the end-of-life phase [C1 to C4]	5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	293
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, which
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised