

Product datasheet

Specifications



Switch disconnecter ComPacT NSX250NA DC EP, 4 poles, fixed, 160A rating, 1500V

C254160D3S

Main

Range	ComPacT
Product name	ComPacT NSX DC EP
Device short name	NSX250 DC EP
Product or component type	Switch disconnecter
Device application	Photovoltaic Marine application
Poles description	4P
[Ith] conventional free air thermal current	160 A at 40 °C
[Ie] rated operational current	DC-22A: 160 A DC 1500 V DC-PV2: 160 A DC 1500 V
[Ue] rated operational voltage	1500 V DC
Network type	DC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	DC-22A DC-PV2
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[Icw] rated short-time withstand current	3.5 kA during 1 s
[Icm] rated short-circuit making capacity	3.5 kA switch-disconnector alone
Control type	Toggle
[Ui] rated insulation voltage	1600 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	4500 cycles 1500 V DC In

Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm
Product weight	2.8 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-3
Product certifications	CE 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	13.5 cm
Package 1 Width	14.5 cm
Package 1 Length	19 cm
Package 1 Weight	2.8 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.641 kg
Unit Type of Package 3	P06
Number of Units in Package 3	32
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	98.9 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	544 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	27 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	512 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
SCIP Number	7e676517-3166-4d54-b299-1f404ce75f08
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	54
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 and never end up in rubbish bins

Technical Illustration

Assembly's dimensions

