Product data sheet

Specifications



Circuit breaker, ComPacT NSX630S DC, 100kA/750VDC, 3 poles, TM-DC trip unit 600A

C63S3TM600D

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	ComPacT
Product name	ComPacT NSX DC
Device short name	NSX630S DC
Product or Component Type	Circuit breaker
Device Application	Distribution
Poles description	3P
Protected poles description	3D
Line Rated Current	600 A 104 °F (40 °C)
[Ue] rated operational voltage	750 V DC
Network type	DC
Suitability for isolation	Yes EN/IEC 60947-2
Utilisation category	Category A
Breaking capacity	100 kA Icu 24...125 V DC 1 pole IEC 60947-2 100 kA Icu 250 V DC 1 pole IEC 60947-2 100 kA Icu 500 V DC 2 poles in series IEC 60947-2 100 kA Icu 750 V DC 3 poles in series IEC 60947-2
Breaking capacity code	S 100 kA 500 V DC
Trip unit name	TM-DC
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control Type	Toggle
Circuit breaker mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	750 V DC IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kVIEC 60947-2
[Ics] rated service breaking capacity	100 kA 24...125 V DC IEC 60947-2 100 kA 250 V DC IEC 60947-2 100 kA 500 V DC IEC 60947-2 100 kA 750 V DC IEC 60947-2
Mechanical durability	5000 cycles
Electrical durability	2000 cycles 750 V In/2 1000 cycles 750 V In
Mounting Support	Backplate

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection pitch	1.8 in (45 mm)
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	600 A 104 °F (40 °C)
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x In
Long-time protection delay adjustment type tr	Fixed
Instantaneous protection pick-up adjustment type Ii	Adjustable
[Ii] instantaneous protection pick-up adjustment range	2.5...5 x In
Earth-leakage protection	Without
Number of slots	6
Width (W)	5.5 in (140 mm)
Height (H)	10.04 in (255 mm)
Depth (D)	4.3 in (110 mm)
Product Weight	17.6 lb(US) (8.0 kg)

Environment

Standards	EN/IEC 60947-2
Pollution degree	3 IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-58…185 °F (-50…85 °C)
Relative humidity	0…95 %
Operating altitude	0...6561.68 ft (0...2000 m) without derating 2000 m...5000 m with derating

Ordering and shipping details

Category	US10DE201101
Discount Schedule	0DE2
GTIN	3606481995087
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.906 in (15.000 cm)

Package 1 Width	6.102 in (15.500 cm)
Package 1 Length	11.614 in (29.500 cm)
Package weight(Lbs)	12.125 lb(US) (5.500 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	25.801 lb(US) (11.703 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	8
Package 3 Height	17.717 in (45.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	47.244 in (120.000 cm)
Package 3 Weight	129.658 lb(US) (58.812 kg)

Contractual warranty

Warranty (in months)	18

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	**2 113 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**36 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.7 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.5 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**2 065 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**11 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**E01033b9-a29d-4247-893c-b0642e7209e8**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**
Halogen content performance	**Product contains halogen above thresholds**
PVC free	**Yes**
Silicon free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**59**
Circularity Profile	**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 never end up in rubbish bins.

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative

