

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: DF83N
Manufacturer: Schneider Electric
Package: Box
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/schneider-electric/df83n.html>

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

DF83N

Fuse carrier, TeSys DF, 3P+N, 25A, 400VAC, fuse size 8.5x31.5mm, with tubular link

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

Price*: 55.43 USD



Main

Range	TeSys
Product name	TeSys DF
Product or Component Type	Fuse carrier
Device short name	DF8
Device composition	Tubular link locked in Neutral pole
Product compatibility	DF2BA fuse cartridge DF2BN fuse cartridge
Poles description	3P + N
Fuse size	8.3 x 31.5 mm
Fuse type	0...25 A, aM 0...25 A, gG
Control type	Toggle padlockable
Utilisation category	AC-20B IEC 60947-3
[Ue] rated operational voltage	400 V AC
[Ie] rated operational current	25 A 400 V AC
[Ith] conventional free air thermal current	25 A 68 °F (20 °C)
[Ui] rated insulation voltage	500 V AC
[Uimp] rated impulse withstand voltage	6 KV
Overvoltage category	III
Short-circuit withstand	20 KA 400 V IEC 60947-3
Power dissipation in W	2.5 W maximum power dissipation by fuse

Complementary

Standards	EN/IEC 60947-3 EN/IEC 60269-2
Product certifications	IEC[RETURN]EAC[RETURN]DNV-GL
Mounting Support	35 mm symmetrical DIN rail
Mounting position	Vertical +/- 23°)
Connections - terminals	Screw clamp terminals 1 0.002...0.02 in ² (1...16 mm ²)rigid Screw clamp terminals 2 0.002...0.009 in ² (1...6 mm ²)rigid Screw clamp terminals 1 0.002...0.02 in ² (1...16 mm ²)flexible with or without screw clamp terminals 2 0.002...0.009 in ² (1...6 mm ²)flexible with or without

Tightening torque	19.5 Lbf.In (2.2 N.m) PZ2 19.5 Lbf.In (2.2 N.m) flat Ø 5.5 mm
Height	3.1 In (79.5 mm)
Width	2.8 In (70 mm)
Depth	2.4 In (61 mm)
Net Weight	0.377 Lb(US) (0.171 kg)
Quantity per Set	Set of 3

Environment

Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-40...158 °F (-40...70 °C) with derating above 20°C
Operating altitude	0...6561.68 ft (0...2000 m) without derating
IP degree of protection	IP20
Pollution degree	3
Fire resistance	1760 °F (960 °C) IEC 60695-2-1
Compatibility code	DF8

Ordering and shipping details

Category	US1CTR121254
Discount Schedule	CTR1
GTIN	3389119407144
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.150 In (8.000 cm)
Package 1 Width	2.402 In (6.100 cm)
Package 1 Length	2.795 In (7.100 cm)
Package weight(Lbs)	6.314 Oz (179.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	2.559 In (6.500 cm)
Package 2 Width	3.346 In (8.500 cm)
Package 2 Length	8.661 In (22.000 cm)
Package 2 Weight	20.176 Oz (572.000 g)
Unit Type of Package 3	S03
Number of Units in Package 3	48
Package 3 Height	11.811 In (30.000 cm)
Package 3 Width	11.811 In (30.000 cm)
Package 3 Length	15.748 In (40.000 cm)
Package 3 Weight	21.305 Lb(US) (9.664 kg)

Environmental data

Total lifecycle Carbon footprint	6 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.8869583333333333
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.06227708333333333
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0004997083333333333
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.

Carbon footprint of the use phase [B2, B3, B4, B6]	3.7
REACH free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	4 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.018049166666666665
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint (kg CO2 eq, Total Life cycle)	6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACH Regulation	Free of Substances of Very High Concern above the threshold ↗
EU RoHS Directive	Compliant ↗
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide.
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 management.

Contractual warranty

Warranty (in months)	18
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Product Life Status : **Commercialised**