

INDUSTRIAL COMPONENT DATA

TRIO-PS-2G/1AC/48DC/5 2903159 PHOENIX CONTACT Power supply unit

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO-PS-2G/1AC/48DC/5



Manufacturer	PHOENIX CONTACT
MPN / Reference	TRIO-PS-2G/1AC/48DC/5
Catalog number	2903159
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-D0632875D3
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Product Overview

Power supply unit

Primary-switched TRIO power supply for rail mounting, input: 1 phase, output: 48 V DC / 5 A, dynamic boost, tool-free quick connect technology for rigid and flexible cables with ferrule

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path PHOENIX CONTACT > Power Supplies (PS)

Additional Product Information

Key Commercial Data

Orderkey 2903159

Packing unit 1 pc

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GTIN 4055626255422

Weight per Piece (excluding packing) 1,120.000 g

Custom tariff number 85044030

Country of origin CN (China)

Dimensions

Width 42 mm

Height 130 mm

Depth 160 mm

Ambient conditions

Degree of protection IP20

Ambient temperature (operation) -25 °C ... 70 °C (> 60 °C Derating: 2.5 %/K)

Ambient temperature (start-up type tested) -40 °C

Ambient temperature (storage/transport) -40 °C ... 85 °C

Max. permissible relative humidity (operation) ≤ 95 % (at 25 °C, non-condensing)

Climatic class 3K3 (in acc. with EN 60721)

Degree of pollution 2

Installation height ≤ 5000 m (> 2000 m, Derating: 10 %/1000 m)

Input data

Nominal input voltage range 100 V AC ... 240 V AC

110 V DC ... 250 V DC

Input voltage range 100 V AC ... 240 V AC -15 % ... +10 %

110 V DC ... 250 V DC ±10 %

Dielectric strength maximum ≤ 300 V AC 15 s

AC frequency range 50 Hz ... 60 Hz ±10 %

Discharge current to PE < 3.5 mA

Current consumption 2.9 A (100 V AC)

2.3 A (120 V AC)

1.2 A (230 V AC)

1.2 A (240 V AC)

Nominal power consumption 285.7 VA

Mains buffering typ. 15 ms (120 V AC)

typ. 15 ms (230 V AC)

Input fuse 6.3 A (internal (device protection))

Choice of suitable circuit breakers 6 A ... 16 A (Characteristics B, C, D, K)

Power factor (cos phi) 0.91

Output data

Nominal output voltage 48 V DC ±1 %

Setting range of the output voltage (USet) 36 V DC ... 55 V DC (> 48 V DC, constant capacity restricted)

Nominal output curr...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TRIO-PS-2G/1AC/48DC/5 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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