

INDUSTRIAL COMPONENT DATA

TRIO-PS-2G/1AC/24DC/5/B+D 2903144 PHOENIX CONTACT

Power supply unit

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO-PS-2G/1AC/24DC/5/B+D



Manufacturer	PHOENIX CONTACT
MPN / Reference	TRIO-PS-2G/1AC/24DC/5/B+D
Catalog number	2903144
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-BDBB7B0E1F
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Product Overview

Power supply unit

TRIO POWER primary switching power supply with push-in connection for rail mounting, input: single-phase, output: 24 V DC/5 A

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 2903144

Packing unit 1 pc

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GTIN 4046356726955

Weight per Piece (excluding packing) 572.840 g

Custom tariff number 85044030

Country of origin CN (China)

Dimensions

Width 35 mm

Height 130 mm

Depth 115 mm

Ambient conditions

Degree of protection IP20

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

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, observe derating)

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 %

99 V DC ... 275 V DC

Dielectric strength maximum ≤ 300 V AC 15 s

AC frequency range 50 Hz ... 60 Hz ±5 Hz

Discharge current to PE < 0.25 mA

Current consumption 2.2 A (100 V AC)

1.9 A (120 V AC)

1.1 A (230 V AC)

1.1 A (240 V AC)

Nominal power consumption 272 VA

Inrush surge current ≤ 16 A (typical)

Mains buffering typ. 20 ms (120 V AC)

typ. 100 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) 0.5

Type of protection Transient surge protection

Protective circuit/component Varistor

Output data

Nominal output voltage 24 V DC ±1 %

Setting range of the output voltage (USet) 24 V DC ... 28 V DC (> 2...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TRIO-PS-2G/1AC/24DC/5/B+D 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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