

INDUSTRIAL COMPONENT DATA

STEP-PS/ 1AC/48DC/2 2868680 PHOENIX CONTACT Power supply unit

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	STEP-PS/ 1AC/48DC/2
Catalog number	2868680
Category	DC-power supply
Minimum order	1 Pcs
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Product Overview

Power supply unit

STEP POWER Primary Switch-On Power Rail Mountable Power Supply, Input: Single-Phase, Output: 48 V DC/2 A
Primary intermittent power supply, STEP POWER, screw connection, DIN rail mounting, input: 1-phase, output: 48 V DC / 2 A, adjustable from 30 V DC ... 56 V DC, PoE application up to 96 W

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 2868680

Packing unit 1 pc

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GTIN 4046356309585

Weight per Piece (excluding packing) 330.000 g

Custom tariff number 85044030

Country of origin PL (Poland)

Dimensions

Width 90 mm

Height 90 mm

Depth 61 mm

Ambient conditions

Degree of protection IP20

Ambient temperature (operation) -25 °C ... 70 °C (> 55° 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

Input data

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

Input voltage range 85 V AC ... 264 V AC

95 V DC ... 250 V DC

AC frequency range 45 Hz ... 65 Hz

Frequency range DC 0 Hz

Current consumption 1.3 A (120 V AC)

0.8 A (230 V AC)

Nominal power consumption 174.9 VA

Inrush surge current < 15 A (typical)

Mains buffering typ. 20 ms (120 V AC)

typ. 120 ms (230 V AC)

Input fuse 4 A (slow-blow, internal)

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

Power factor (cos phi) 0.61

Type of protection Transient surge protection

Protective circuit/component Varistor

Output data

Nominal output voltage 48 V DC ±1 %

Setting range of the output voltage (USet) 30 V DC ... 56 V DC (> 48 V DC, constant capacity restricted)

Nominal output current (IN) 2 A (-25 °C ... 55 °C)

2.2 A (-25°C ... 40°C permanent)

Output current I_{max} 3.5 A

Derating 55 °C ... 70 °C (2.5%/K)

Connection in par...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / STEP-PS/ 1AC/48DC/2 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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