

## INDUSTRIAL COMPONENT DATA

# STEP-PS/ 1AC/24DC/0.5 2868596 PHOENIX CONTACT Power supply unit

Brand: PHOENIX CONTACT | Manufacturer Part Number: STEP-PS/ 1AC/24DC/0.5



|                 |                       |
|-----------------|-----------------------|
| Manufacturer    | PHOENIX CONTACT       |
| MPN / Reference | STEP-PS/ 1AC/24DC/0.5 |
| Catalog number  | 2868596               |
| Category        | DC-power supply       |
| Minimum order   | 1 Pcs                 |
| Document ID     | EO-4477C71216         |
| Generated       | 2026-07-29            |

## Product Overview

Power supply unit

STEP POWER primary switching power supply for rail mounting, input: single-phase, output: 24 V DC/0.5 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 2868596

Packing unit 1 pc

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GTIN 4046356519953

Weight per Piece (excluding packing) 75.000 g

Custom tariff number 85044030

Country of origin PL (Poland)

Dimensions

Width 18 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 0.28 A (120 V AC)  
0.13 A (230 V AC)  
Nominal power consumption 37.9 VA  
Inrush surge current < 15 A (typical)  
Mains buffering typ. 15 ms (120 V AC)  
typ. 90 ms (230 V AC)  
Input fuse 1.25 A (slow-blow, internal)  
Choice of suitable circuit breakers 6 A ... 16 A (Characteristics B, C, D, K)  
Power factor (cos phi) 0.38  
Output data  
Nominal output voltage 24 V DC ±1 %  
Nominal output current (IN) 0.5 A (-25 °C ... 55 °C)  
0.55 A  
Output current I<sub>max</sub> 1 A  
Derating 55 °C ... 70 °C (2.5%/K)  
Connection in parallel Yes, for redundancy and increased capacity  
Connection in series yes  
Feedback resistance ≤ 35 V DC  
Output overvoltage protection < 35 V DC  
Control deviation < 1 % (change in load, static 10 % ... 90 %)  
< 2 % (...)

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / STEP-PS/ 1AC/24DC/0.5 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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