INDUSTRIAL COMPONENT DATA

STEP-PS/ 1AC/24DC/0.75/FL 2868622 PHOENIX CONTACT Power supply unit

Brand: PHOENIX CONTACT | Manufacturer Part Number: STEP-PS/ 1AC/24DC/0.75/FL



Manufacturer	PHOENIX CONTACT
MPN / Reference	STEP-PS/ 1AC/24DC/0.75/FL
Catalog number	2868622
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-B8565098A8
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Product Overview

Power supply unit
STEP POWER primary switch-mode power supply for rail mounting, input: single-phase, output: 24 V DC/0.75 A
Primary-switched STEP POWER power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/0.75 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

Technical dataInput dataAC operation
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
Input voltage range AC 85 V AC ... 264 V AC
Input voltage range DC 95 V DC ... 250 V DC
Voltage type of supply voltage AC/DC
Inrush current < 15 A (typical)
Inrush current integral (I2t) < 0.1 A2s
AC frequency range 45 Hz ... 65 Hz
Frequency range DC 0 Hz
Mains buffering time typ. 15 ms (120 V AC)
typ. 70 ms (230 V AC)

Current consumption 0.3 A (120 V AC)
0.25 A (230 V AC)
Nominal power consumption 36.9 VA
Protective circuit Transient surge protection; Varistor
Power factor (cos phi) 0.58
Typical response time < 0.5 s
Input fuse 1.25 A (slow-blow, internal)
Recommended breaker for input protection 6 A ... 16 A (Characteristics B, C, D, K)
Output dataEfficiency > 84 % (for 230 V AC and nominal values)
Output characteristic U/I
Nominal output voltage 24 V DC
Output current Imax 1.4 A
Nominal output current (IN) 0.75 A (-25 °C ... 55 °C)
0.83 A (-25 °C ... 40 °C permanent)
Derating 55 °C ... 70 °C (2.5 %/K)
Feedback voltage resistance <= 35 V DC
Protection against overvoltage at the output (OVP) < 35 V DC
Control deviation < 1 % (change in load, static 10 % ... 90 %)
< 2 % (change in load, dynamic 10 % ... 90 %)
< 0.1 % (change in input voltage ±10 %)
Residual ripple < 75 mVPP(20 MHz)
Output power 18 W
Peak switching voltages nominal load < 15 mVPP(20 MHz)
Maximum no-load power dissipation < 0.5 W
Power loss nominal load max. < 3.6....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / STEP-PS/ 1AC/24DC/0.75/FL 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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