INDUSTRIAL COMPONENT DATA

STEP3-PS/1AC/24DC/3.75/PT/CO 1321105 PHOENIX CONTACT Primary switching power supplies, STEP POWER, Push-in c..

Brand: PHOENIX CONTACT | Manufacturer Part Number: STEP3-PS/1AC/24DC/3.75/PT/CO



Manufacturer	PHOENIX CONTACT
MPN / Reference	STEP3-PS/1AC/24DC/3.75/PT/CO
Catalog number	1321105
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-B05CF7CD73
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Product Overview

Primary switching power supplies, STEP POWER, Push-in connection, Rail and direct mounting, with protective paint, input: 1 phase, output: 24 V DC / 3.75 A
Primary Switching Power Supplies, STEPPOWER, Push-in Connection, Rail Mount, with Protective Paint, Input:1Phase, Output: 24 VDC / 3.75 A
Primary-switched power supply unit, STEP POWER, Push-in connection, DIN rail or direct mounting, with protective coating, input: 1-phase, output: 24 V DC / 3.75 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
Network type Star network
Input voltage range 100 V AC ... 240 V AC -15 % ... +10 %
Derating < 100 V AC ... 85 V AC (1 %/V)
Typical national grid voltage 120 V AC
230 V AC
Voltage type of supply voltage AC
Inrush current typ. 30 A (25 °C)
Inrush current integral (I2t) typ. 0.35 A2s
Frequency range (fN) 50 Hz ... 60 Hz ±10 %

Mains buffering time typ. 25 ms (120 V AC)
typ. 25 ms (230 V AC)
Current consumption 1 A (100 V AC)
0.45 A (240 V AC)
Protective circuit Transient surge protection; Varistor
Switch-on time typ. 2 s
Device mains fuse 4 A internal (device protection), slow-blow
Recommended breaker for input protection 6 A ... 16 A (Characteristics B, C, D, K)
Discharge current to PE < 0.25 mA
DC operation
Input voltage range 110 V DC ... 250 V DC -20 % ... +10 %
Derating < 110 V DC ... 88 V DC (1 %/V)
Voltage type of supply voltage DC
Current consumption 0.88 A (110 V DC)
0.38 A (250 V DC)
Output dataEfficiency > 92.5 % (120 V AC)
> 94 % (230 V AC)
Nominal output voltage 24 V DC
Nominal output current (IN) 3.75 A
Short-circuit-proof yes
No-load proof yes
Derating > 50 °C ... 70 °C (2 % / K)
Crest factor typ. 1.78
typ. 1.87
Output power (PN) 90 W
Connection in parallel yes, for increasing power and redundancy with diode
Connection in series yes, for increased output voltage
Feedback voltage resistance <= 35 V DC
Protection against overvoltage at the output (OVP) < 35 V DC
Residual ripple typ. 100 mVPP
Control deviation < 0.5 % (Static load...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / STEP3-PS/1AC/24DC/3.75/PT/CO 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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