INDUSTRIAL COMPONENT DATA

QUINT4-SYS-PS/1AC/24DC/2.5/SC 2904614 PHOENIX CONTACT QUINT POWER primary switching power supply, screw conn..

Brand: PHOENIX CONTACT | Manufacturer Part Number: QUINT4-SYS-PS/1AC/24DC/2.5/SC



Manufacturer	PHOENIX CONTACT
MPN / Reference	QUINT4-SYS-PS/1AC/24DC/2.5/SC
Catalog number	2904614
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-D6025F8DB5
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Product Overview

QUINT POWER primary switching power supply, screw connection, DIN rail mounting, device supply possible via TBUS DIN rail connectors, protective paint, input: single-phase, output: 24 V DC/2.5 A
Primary switched power supplies, QUINT POWER, Screw connection, Rail mount, input: 1 phase, output: 24 V DC / 2.5 A
Primary-switched power supply, QUINT POWER, screw connection, DIN rail mounting, supply of devices possible via the TBUS DIN rail connector, protective coating, input: single-phase, output: 24 V DC/2.5 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

Technical dataInput dataAC operation
Nominal input voltage range 100 V AC ... 240 V AC
Input voltage range 100 V AC ... 240 V AC -15 % ... +10 %
Electric strength, max. 300 V AC 30 s
Typical national grid voltage 120 V AC
230 V AC
Voltage type of supply voltage AC/DC
Inrush current typ. 10 A (at 25 °C)
Inrush current integral (I2t) typ. 0.1 A2s

Inrush current limitation 10 A
Frequency range (fN) 50 Hz ... 60 Hz ±10 %
16.7 Hz (acc. to EN 50163)
Mains buffering time typ. 31 ms (120 V AC)
typ. 31 ms (230 V AC)
Current consumption 0.85 A (100 V AC)
0.7 A (120 V AC)
0.39 A (230 V AC)
0.37 A (240 V AC)
Protective circuit Transient surge protection; Varistor
Typical response time 500 ms
Input fuse 4 A (slow-blow, internal)
Recommended breaker for input protection 6 A ... 16 A (Characteristic B, C, D, K or comparable)
Discharge current to PE < 0.25 mA (264 V AC, 60 Hz)
< 0.22 mA
DC operation
Input voltage range 110 V DC ... 250 V DC -20 % ... +40 %
Voltage type of supply voltage AC/DC
Current consumption 0.75 A (110 V DC)
0.33 A (250 V DC)
Output dataEfficiency typ. 93 % (120 V AC)
typ. 94 % (230 V AC)
Nominal output voltage 24 V DC
Setting range of the output voltage (USet) 24 V DC ... 27 V DC (constant capacity)
Nominal output current (IN) 2.5 A
Static Boost (IStat.Boost) 3.125 A (<= 40°C)
Dynamic Boost (IDyn.Boost) 4 A (<= 60 °C (on <= 5 s/off >= 5 s))
Feedback voltage resistance <= 32 V DC
Protection against overvoltage at the output (OVP) <= 30 V DC ±2 %
Control deviation < 0.5 % (St...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / QUINT4-SYS-PS/1AC/24DC/2.5/SC 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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