

INDUSTRIAL COMPONENT DATA

TRIO3-PS/1AC/24DC/20 1159039 PHOENIX CONTACT

TRIO3-PS/1AC/24DC/20 Power supply

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO3-PS/1AC/24DC/20



Manufacturer	PHOENIX CONTACT
MPN / Reference	TRIO3-PS/1AC/24DC/20
Catalog number	1159039
Category	DC-power supply
Minimum order	1 Pcs
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Product Overview

TRIO3-PS/1AC/24DC/20 - Power supply

Primary switching power supplies, TRIO POWER, Push-in connection, Rail mounting, input:1phase, output: 24 VDC / 20 A
Primary-switched power supply unit, TRIO POWER, Push-in connection, DIN rail mounting, input: 1-phase, output: 24 V DC / 20 A, adjustable from 24 V DC ... 28 V DC

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

Supply system configuration Star network (TN, TT, IT (PE))

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

Input voltage range 100 V AC ... 240 V AC -15 % ... +10 %

115 V AC ... 240 V AC $\pm 10\%$ (UL)

Derating < 100 V AC (1 %/V)

2.5 %/K, > 60 °C

Typical national grid voltage 120 V AC

230 V AC

Voltage type of supply voltage AC

Inrush current < 21 A (25 °C)

Inrush current integral (I_{2t}) < 1.091 A²s

Frequency range (fN) 50 Hz ... 60 Hz $\pm 10\%$
Mains buffering time typ. 23 ms (120 V AC)
typ. 24 ms (230 V AC)
Current consumption 5.3 A (100 V AC)
4.4 A (120 V AC)
2.3 A (230 V AC)
2.15 A (240 V AC)
Protective circuit Transient protection; Varistor
Power factor (cos phi) 0.96 (230 V AC)
Device mains fuse 10 A internal (device protection)
Recommended breaker for input protection 6 A ... 16 A (Characteristic B, C, D, K or comparable)
Discharge current to PE < 3.5 mA
DC operation
Input voltage range 100 V DC ... 240 V DC $\pm 10\%$
160 V DC ... 240 V DC $\pm 10\%$ (UL)
Derating < 140 V DC (1 %/V)
Current consumption 5.2 A (100 V DC)
2.1 A (240 V DC)
Output data Efficiency typ. 93.8 % (120 V AC)
typ. 95 % (230 V AC)
Nominal output voltage 24 V DC
Setting range of the output voltage (USet) 24 V DC ... 28 V DC (> 24 V DC, constant capacity restricted)
Nominal output current (IN) 20 A
Dynamic Boost (IDyn.Boost) max. 30 A (5 s)
Short-circuit-proof yes
No-load proof yes
Derating 60 °C ... 70 °C
Crest factor typ. 1.77 (120 V AC)
typ. 1.6 (230 V AC)
Output power (PN) 480...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TRIO3-PS/1AC/24DC/20 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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