

INDUSTRIAL COMPONENT DATA

TRIO3-PS/1AC/24DC/20/8C/IOL 1252697 PHOENIX CONTACT

Primary switching power supplies, TRIO POWER, Push-in co..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO3-PS/1AC/24DC/20/8C/IOL



Manufacturer	PHOENIX CONTACT
MPN / Reference	TRIO3-PS/1AC/24DC/20/8C/IOL
Catalog number	1252697
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-CE2E0CE850
Generated	2026-08-05

Product Overview

Primary switching power supplies, TRIO POWER, Push-in connection, Electronic switch for 8-channel equipment protection, IO-Link, DIN rail mounting, input: 1 phase, output: 24 V DC / 20 A, adjustable from 24 V DC ... 28 V DC
TRIO3-PS/1AC/24DC/20/8C/IOL - Power Supply

Primary-switched power supply unit, TRIO POWER, Push-in connection, 8-channel electronic circuit breaker, IO-Link, 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 data
Input data
AC 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 ± 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 ±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 ±10 %
160 V DC ... 240 V DC ±10 % (UL)
Derating < 140 V DC (1 %/V)
Voltage type of supply voltage DC
Current consumption 5.2 A (100 V DC)
2.1 A (240 V DC)
Output data Efficiency typ. 93.49 % (120 V AC)
typ. 94.42 % (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)
No. of channels 8
Nominal current per channel 1 A
2 A
3.8 A
4 A
6 A
8 A
10 A
Waiting time after switch o...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TRIO3-PS/1AC/24DC/20/8C/IOL 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.