

INDUSTRIAL COMPONENT DATA

TRIO3-PS/3AC/24DC/10 1159042 PHOENIX CONTACT Primary switching power supplies, TRIO POWER, Push-in connectio..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO3-PS/3AC/24DC/10



Manufacturer	PHOENIX CONTACT
MPN / Reference	TRIO3-PS/3AC/24DC/10
Catalog number	1159042
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-5994E3809C
Generated	2026-09-22

Product Overview

Primary switching power supplies, TRIO POWER, Push-in connection, Rail mounting, input: 3 phase, output: 24 V DC / 10 A, adjustable from 24 V DC ... 28 V DC

Primary Switching Power Supplies, TRIO POWER, Push-in Connection, Rail Mount, Input: 3-Phase, Output: 24 VDC / 10 A

Primary-switched power supply unit, TRIO POWER, Push-in connection, DIN rail mounting, input: 3-phase, output: 24 V DC / 10 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
--------------	-----------------

Additional Product Information

Technical dataInput dataAC operation

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

Nominal input voltage range 3x 400 V AC ... 500 V AC

Input voltage range 3x 400 V AC ... 500 V AC -20 % ... +10 %

2x 400 V AC ... 500 V AC ±10 %

Typical national grid voltage 3x 400 V AC

3x 480 V AC

Voltage type of supply voltage AC

Inrush current < 13 A (25 °C)

Inrush current integral (I_{2t}) < 0.25 A²s

Frequency range (f_N) 50 Hz ... 60 Hz ±10 %

Mains buffering time typ. 35 ms (3x 400 V AC)
typ. 58 ms (3x 480 V AC)
Current consumption 3x 0.68 A (3x 400 V AC)
3x 0.57 A (3x 500 V AC)
2x 1.3 A (2x 400 V AC)
2x 1.1 A (2x 500 V AC)
Protective circuit Transient protection; Varistor
Power factor (cos phi) 0.57 (3x 480 V AC)
Device mains fuse 3.15 A internal (device protection)
Recommended breaker for input protection 3x 3 A ... 16 A (Characteristic B, C, D, K or comparable)
Discharge current to PE < 3.5 mA
Output data Efficiency typ. 92.35 % (3x 400 V AC)
typ. 92.26 % (3x 480 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) 10 A
Dynamic Boost (IDyn.Boost) max. 15 A (5 s)
Short-circuit-proof yes
No-load proof yes
Derating 60 °C ... 70 °C
Crest factor typ. 2.77 (3x 400 V AC)
typ. 2.94 (3x 480 V AC)
Output power (PN) 240 W
Output power (PDyn. Boost) max. 360 W (5 s)
Connection in parallel yes, for increasing power and redundancy with diode
Connection in series yes, for incr...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TRIO3-PS/3AC/24DC/10 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.