

INDUSTRIAL COMPONENT DATA

TRIO3-PS/3AC/24DC/40 1159045 PHOENIX CONTACT Primary switching power supplies, TRIO POWER, Push-in connectio..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO3-PS/3AC/24DC/40



Manufacturer	PHOENIX CONTACT
MPN / Reference	TRIO3-PS/3AC/24DC/40
Catalog number	1159045
Category	DC-power supply
Minimum order	1 Pcs
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Product Overview

Primary switching power supplies, TRIO POWER, Push-in connection, Rail mounting, input: 3 phase, output: 24 V DC / 40 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 / 40 A

Primary-switched power supply unit, TRIO POWER, Push-in connection, DIN rail mounting, input: 3-phase, output: 24 V DC / 40 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
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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 $\pm 10\%$

Typical national grid voltage 3x 400 V AC

3x 480 V AC

Voltage type of supply voltage AC

Inrush current < 21 A (25 °C)

Inrush current integral (I_{2t}) < 0.77 A²s

Frequency range (f_N) 50 Hz ... 60 Hz $\pm 10\%$

Mains buffering time typ. 21 ms (3x 400 V AC)
typ. 21 ms (3x 480 V AC)
Current consumption 3x 1.5 A (3x 400 V AC)
3x 1.2 A (3x 500 V AC)
2x 2.6 A (2x 400 V AC)
2x 2.1 A (2x 500 V AC)
Protective circuit Transient protection; Varistor
Power factor (cos phi) 0.94 (3x 480 V AC)
Device mains fuse 6.3 A internal (device protection)
Recommended breaker for input protection 3x 6 A ... 16 A (Characteristic B, C, D, K or comparable)
Discharge current to PE < 3.5 mA
Output data Efficiency typ. 95.44 % (3x 400 V AC)
typ. 95.71 % (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) 40 A
Dynamic Boost (IDyn.Boost) max. 60 A (5 s)
Short-circuit-proof yes
No-load proof yes
Derating 60 °C ... 70 °C
Crest factor typ. 1.549 (3x 400 V AC)
typ. 1.533 (3x 480 V AC)
Output power (PN) 960 W
Output power (PDyn. Boost) max. 1440 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/40 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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