

## INDUSTRIAL COMPONENT DATA

## TRIO-PS/3AC/24DC/20 2866394 PHOENIX CONTACT Power supply unit

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO-PS/3AC/24DC/20



|                 |                     |
|-----------------|---------------------|
| Manufacturer    | PHOENIX CONTACT     |
| MPN / Reference | TRIO-PS/3AC/24DC/20 |
| Catalog number  | 2866394             |
| Category        | DC-power supply     |
| Minimum order   | 1 Pcs               |
| Document ID     | EO-44FB1C50D1       |
| Generated       | 2026-08-01          |

## Product Overview

Power supply unit

TRIO POWER primary switch-mode power supply for rail mounting, input: three-phase, output: 24 V DC/20 A

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification &amp; Catalog Path

Catalog path PHOENIX CONTACT &gt; Power Supplies (PS)

## Additional Product Information

Key Commercial Data

Orderkey 2866394

Packing unit 1 pc

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GTIN 4046356046671

Weight per Piece (excluding packing) 2,000.000 g

Custom tariff number 85044030

Country of origin CN (China)

Dimensions

Width 115 mm

Height 130 mm

Depth 152.5 mm

Ambient conditions

Degree of protection IP20

Ambient temperature (operation) -25 °C ... 70 °C (> 55° C derating : 2.5%/K)  
Ambient temperature (storage/transport) -40 °C ... 85 °C  
Max. permissible relative humidity (operation) ≤ 95 % (at 25 °C, non-condensing)  
Climatic class 3K3 (in acc. with EN 60721)  
Degree of pollution 2  
Input data  
Nominal input voltage range 3x 400 V AC ... 500 V AC  
Input voltage range 3x 320 V AC ... 575 V AC (Derating < 360 V AC: 1,5 %/V)  
2x 360 V AC ... 575 V AC (for 2-phase operation)  
AC frequency range 45 Hz ... 65 Hz  
Discharge current to PE < 3.5 mA  
Current consumption 3x 1.1 A (400 V AC)  
3x 0.8 A (480 V AC)  
Nominal power consumption 793 VA  
Inrush surge current < 15 A  
Mains buffering > 17 ms (3x 400 V AC)  
Choice of suitable circuit breakers 6 A ... 16 A (Characteristics B, C, D, K)  
Power factor (cos phi) 0.67  
Type of protection Transient surge protection  
Protective circuit/component Varistor  
Output data  
Nominal output voltage 24 V DC ±1 %  
Setting range of the output voltage (USet) 22.5 V DC ... 29.5 V DC (> 24 V DC, constant capacity restricted)  
Nominal output current (IN) 20 A (UOUT= 24 V DC)  
Derating 55 °C ... 70 °C (2.5%/K)  
Connection in parallel Yes, for redundancy and increased cap...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TRIO-PS/3AC/24DC/20 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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