

INDUSTRIAL COMPONENT DATA

ESSENTIAL-PS/3AC/24DC/480W/EE 1018299 PHOENIX CONTACT Power supply unit

Brand: PHOENIX CONTACT | Manufacturer Part Number: ESSENTIAL-PS/3AC/24DC/480W/EE



Manufacturer	PHOENIX CONTACT
MPN / Reference	ESSENTIAL-PS/3AC/24DC/480W/EE
Catalog number	1018299
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-969E401CAE
Generated	2026-07-29

Product Overview

Power supply unit

ESSENTIAL edition primary switching power supply for rail mounting, input: three-phase, output: 24 V DC/480 W

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

Key Commercial Data

Orderkey 1018299

Packing unit 1 pc

GTIN 4055626502465

Weight per Piece (excluding packing) 0.000 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)

Inrush surge current < 15 A

Mains buffering > 17 ms (3x 400 V AC)

Choice of suitable circuit breakers 6 A ... 16 A

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 capacity

Connection in series yes

Feedback resistance 35 V DC

Protection against surge voltage on the....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / ESSENTIAL-PS/3AC/24DC/480W/EE 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.