

INDUSTRIAL COMPONENT DATA

ESSENTIAL-PS/1AC/24DC/120W/EE 2910586 PHOENIX CONTACT Power supply unit

Brand: PHOENIX CONTACT | Manufacturer Part Number: ESSENTIAL-PS/1AC/24DC/120W/EE



Manufacturer	PHOENIX CONTACT
MPN / Reference	ESSENTIAL-PS/1AC/24DC/120W/EE
Catalog number	2910586
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-EE1BD9B9CC
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Product Overview

Power supply unit

ESSENTIAL edition primary switching power supply for rail mounting, input: single-phase, output: 24 V DC/120 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 2910586

Packing unit 1 pc

GTIN 4055626464411

Weight per Piece (excluding packing) 674.800 g

Custom tariff number 85044030

Country of origin TH (Thailand)

Dimensions

Width 40 mm

Height 123.6 mm

Depth 117.6 mm

Installation distances left/right 10 mm

Installation distances top/bottom 50 mm

Ambient conditions

Degree of protection IP20

Ambient temperature (operation) -20 °C ... 70 °C

Ambient temperature (storage/transport) -40 °C ... 85 °C

Max. permissible relative humidity (operation) ≤ 95 % (at 25 °C, non-condensing)

Degree of pollution 2

Installation height ≤ 5000 m (> 2000 m, Derating: 10 %/1000 m)

Input data

Nominal input voltage range 100 V AC ... 240 V AC

Input voltage range 85 V AC ... 264 V AC (< 100 V AC derating 1%/V AC)

AC frequency range 47 Hz ... 63 Hz

Discharge current to PE < 0.25 mA (264 V AC)

Current consumption 2.2 A (115 V AC)

1.2 A (230 V AC)

Inrush surge current typ. 20 A (115 V AC)

typ. 40 A (230 V AC)

Mains buffering typ. 20 ms (115 V AC)

typ. 90 ms (230 V AC)

Input fuse 4 A (slow-blow, internal)

Type of protection Transient surge protection

Protective circuit/component Varistor

Output data

Nominal output voltage 24 V DC ±2 %

Setting range of the output voltage (USet) 22 V DC ... 28 V DC (max. power ≤ 120 W)

Nominal output current (IN) 5 A

Derating -20 °C ... -10 °C (2 % / °C)

> 40 °C (1.67 % / °C, 115 V AC)

> 50 °C (2.5 % / °C, 230 V AC)

Max. capacitive load 8000 µF

Active current limitation 105% - 150% of the max. output power...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / ESSENTIAL-PS/1AC/24DC/120W/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

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