INDUSTRIAL COMPONENT DATA

PS-EE-2G/1AC/24DC/240W/SC 1234304 PHOENIX CONTACT Primary switching power supplies, ESSENTIAL POWER, Screw c..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PS-EE-2G/1AC/24DC/240W/SC



Manufacturer	PHOENIX CONTACT
MPN / Reference	PS-EE-2G/1AC/24DC/240W/SC
Catalog number	1234304
Category	DC-power supply
Minimum order	1 Pcs
Document ID	EO-02EE1733A3
Generated	2026-11-19

Product Overview

Primary switching power supplies, ESSENTIAL POWER, Screw connection, Rail mounting, input: 1 phase, output: 24 V DC / 10 A, adjustable from 24 V DC ... 28 V DC
Primary Switching Power Supplies, ESSENTIAL POWER, Screw Connection, Rail Mount, Input: 1 Phase, Output: 24 V DC / 10 A
Primary-switched power supply unit, ESSENTIAL POWER, Screw connection, DIN rail mounting, input: 1-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 TN, TT, IT (PE)
Nominal input voltage range 100 V AC ... 240 V AC
Input voltage range 110 V AC ... 240 V AC ±10 % (PN= 240 W)
100 V AC ... 109 V AC -15 % ... +10 % (PN= 200 W)
Typical national grid voltage 120 V AC
230 V AC
Voltage type of supply voltage AC

Inrush current typ. 30 A (at 25 °C)
Inrush current integral (I2t) typ. 0.2 A2s
Frequency range (fN) 50 Hz ... 60 Hz ±10 %
Mains buffering time typ. 30 ms (120 V AC)
typ. 30 ms (230 V AC)
Current consumption max. 3 A (240 W)
max. 2.5 A (200 W)
typ. 2.4 A (110 V AC (240 W))
typ. 1.2 A (240 V AC (240 W))
typ. 2.4 A (100 V AC (200 W))
typ. 2.3 A (109 V AC (200 W))
Protective circuit Transient protection; Varistor
Switch-on time typ. 1 s
Device mains fuse 5 A internal (device protection), fast-blow
Recommended breaker for input protection 6 A ... 16 A (Characteristic B, C, D, K or comparable)
Discharge current to PE < 3.5 mA
Output dataEfficiency typ. 91 % (120 V AC)
typ. 92 % (230 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) max. 10 A (PN= 240 W)
max. 8.33 A (PN= 200 W)
Short-circuit-proof yes
No-load proof yes
Crest factor typ. 1.5 (120 V AC)
typ. 1.9 (230 V AC)
Output power (PN) 240 W (240 V AC)
200 W (100 V AC)
Connection in parallel yes, for increasing power and redundancy with diode
Connection in series yes, for increased output volta...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PS-EE-2G/1AC/24DC/240W/SC 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.