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Extract from the online catalog

EG 45-PS-230AC/24DC/250

Order No.: 2940618

The illustration shows version EG 45-PS-120AC/ 24DC/250



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2940618>

DIN rail power supply unit, secondary-switched, input 230 V AC, output 12-28 V DC/250 mA, pre-setting 24 V DC

Commercial data	
GTIN (EAN)	4 017918 080174
sales group	H092
Pack	1 pcs.
Customs tariff	85044082

<http://www.download.phoenixcontact.com>
 Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
Input data	
Nominal input voltage	230 V AC
AC frequency range	50 Hz ... 60 Hz
Current consumption	Approx. 60 mA
Nominal power consumption	Approx. 12 VA
Power failure bypass	35 ms
Input fuse	0.4 A (slow-blow TR 5, internal, solderable)

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Output data

Nominal output voltage	12 V DC $\pm 2\%$ (can be set up to 28 V DC. Default 24 V DC $\pm 4\%$)
Output current	250 mA
Residual ripple	< 100 mV _{PP}
Type of protection	Electronic disconnect at 1.3 x IN
Protective circuit/component	Varistor

General data

Width	45 mm
Height	107 mm
Depth	77 mm
Net weight	539 g
Operating mode	100% operating factor
Test voltage input/output	4 kV AC
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Mounting position	On horizontal DIN rail
Assembly instructions	Can be aligned with spacing = 10 mm

Connection data, input

Type of connection	COMBICON plug-in screw terminal block
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3

Connection data, output

Type of connection	COMBICON plug-in screw terminal block
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24

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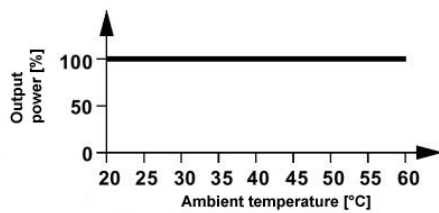
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm

Accessories

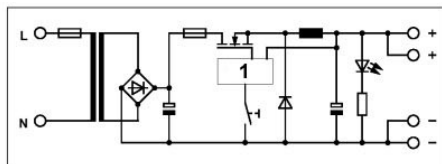
Item	Designation	Description
General		
2900997	VF-SI/TR5/0,4AT	Plug-in fuse (TR5 [®]), nominal current: 0.4 A T
2900997	VF-SI/TR5/0,4AT	Plug-in fuse (TR5 [®]), nominal current: 0.4 A T

Diagrams/Drawings

Diagram



Circuit diagram



1 = switched-mode regulator

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