

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

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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)

Output data

Nominal output voltage	12 V DC ± 2 % (can be set up to 28 V DC. Default 24 V DC ± 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

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

Accessories

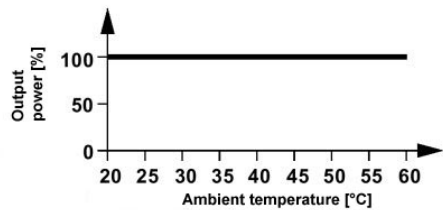
Item	Designation	Description
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General

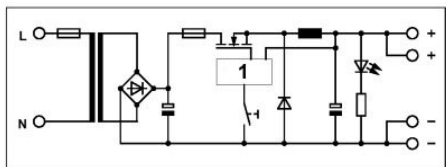
2900997	VF-SI/TR5/0,4AT	Plug-in fuse (TR5 [®]), nominal current: 0.4 A T
2900997	VF-SI/TR5/0,4AT	Plug-in fuse (TR5 [®]), nominal current: 0.4 A T

Diagrams/Drawings

Diagram



Circuit diagram



1 = switched-mode regulator

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