

## ► General data



Power supply unit, secondary switched-mode, input 120 V AC, output 4-13 V DC/250 mA, default 5 V DC

Order number	2940689
Type	EG 45-PS-120AC/ 5DC/250

Barcode number	4017918080204
Unit pack	1 Pcs.
Customs tariff	85044094000

## ► Technical data

### Input data

Nominal input voltage	120 V AC
Frequency range	50 Hz ... 60 Hz
Current consumption	Approx. 100 mA
Nominal power consumption	Approx. 12 VA
Power failure bypass	35 ms
Input fuse	Slow-blow (TR 5) (Internal, solderable)

**Output data**

Nominal output voltage	4 V DC $\pm 2\%$ (Can be set up to 13 V DC. Default 5 V DC $\pm 4\%$ )
Output current	250 mA
Residual ripple	< 100 mVss
Name of protection	Electronic disconnect at 1.3 x IN
Protective circuit/component	Varistor

---

**General data**

Width	45 mm
Height	107 mm
Depth	77 mm
Weight	539 g
Operating mode	100% operating factor
Test voltage input/output	4 kV AC
Degree of protection	IP 20
Ambient temperature (operation)	0 °C ... 60 °C
Installation position	On horizontal DIN rail
Assembly instructions	Can be aligned with spacing = 10 mm
Standards/regulations	prEN 50 178/DIN EN 50 178/VDE 0160
Standards/regulations	DIN VDE 0106-101:1986-11
Standards/regulations	DIN VDE 0551

---

**Connection data, input**

Screw thread	M 3
Stripping length	8 mm
Type of connection	Pluggable COMBICON screw terminal block
Min. conductor cross section AWG/kcmil	24
Conductor cross section AWG/kcmil max	14
Min. conductor cross section, rigid	0.2 mm <sup>2</sup>
Conductor cross section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Max. conductor cross section, flexible	2.5 mm <sup>2</sup>

---

**Connection data, output**

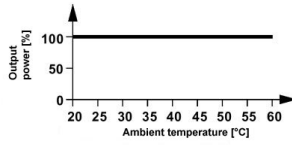
Stripping length	8 mm
Type of connection	Pluggable COMBICON screw terminal block
Min. conductor cross section AWG/kcmil	24
Conductor cross section AWG/kcmil max	14
Min. conductor cross section, rigid	0.2 mm <sup>2</sup>
Conductor cross section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Max. conductor cross section, flexible	2.5 mm <sup>2</sup>

---

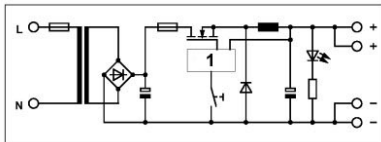
## ▶ Drawings

---

### Diagram



### Circuit diagram



## ► Address

---

Phoenix Contact GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel + 49 - (0) 52 35 - 3-00  
Fax + 49 - (0) 52 35 - 3-4 12 00  
[www.phoenixcontact.com](http://www.phoenixcontact.com)

© Phoenix Contact  
Technical modifications reserved