

**MINI-PS-100-240AC/2X15DC/1**

Order No.: 2938743

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2938743>DIN rail power supply unit 2x15 V DC/1 A, primary switched-mode,  
narrow design

Commercial data	
EAN	4017918906870
Pack	1 Pcs.
Customs tariff	85044040
Weight/Piece	0.3281 KG
Catalog page information	Page 505 (IF-2007)

## Product notes

WEEE/RoHS-compliant since:  
08/16/2006

<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	
<b>Input data</b>	
Nominal input voltage	100 V AC ... 240 V AC
AC input voltage range	85 V AC ... 264 V AC
DC input voltage range	90 V DC ... 350 V DC
AC frequency range	45 Hz ... 65 Hz

DC frequency range	0 Hz
Current consumption	Approx. 0.5 A (120 V AC)
	0.3 A (230 V AC)
	Approx. 0.7 A (for 90 V DC)
	Approx. 0.3 A (for 350 V DC)
Nominal power consumption	15 W
Inrush surge current	< 15 A (typical)
Power failure bypass	> 45 ms (120 V AC)
	> 150 ms (230 V AC)
Input fuse	2.5 A (slow-blow, internal)
Recommended backup fuse	6 A
	10 A
	16 A (characteristic B)

#### Output data

Nominal output voltage	$\pm 15$ V DC $\pm 1\%$
Setting range of the output voltage	2x 15 V DC
Output current	2x 1 A (up to 60°C)
	2x 1.6 A (with POWER BOOST)
Connection in parallel	Yes, for assembling redundant systems and increasing efficiency
Connection in series	No
Residual ripple	< 30 mVPP
Peak switching voltages nominal load	< 20 mVPP (20 MHz)
Maximum power dissipation idling	2 W
Power loss nominal load max.	8 W

#### General data

Width	45 mm
Height	99 mm
Depth	107 mm
Weight	0.25 kg
Operating voltage display	LED green
Efficiency	> 80 %
Insulation voltage input/output	3 kV (routine test)
	4 kV (type test)
Degree of protection	IP20

Class of protection	II (in an enclosed control cabinet)
MTBF	> 500 000 h in acc. with IEC 61709 (SN 29500)
Ambient temperature (operation)	-25 °C ... 70 °C (> 60°C derating)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	95 % (at 25°C, no condensation)
Mounting position	Horizontal DIN rail NS 35, EN 60715
Assembly instructions	Can be aligned: Horizontal 0 cm, vertical 5 cm
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
Emitted interference	EN 50081-2
Immunity to interference	EN 61000-6-2
Standard – Safety transformers for switched-mode power supply units	EN 61558-2-17
Standard - Electrical safety	EN 60950/VDE 0805 (SELV)
Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations	EN 50178/VDE 0160 (PELV)
Standard - Safe isolation	DIN VDE 0100-410 DIN VDE 0106-1010
Standard – Limitation of mains harmonic currents	EN 61000-3-2
Standard – Equipment safety	GS (tested safety)
UL approvals	UL/C-UL listed UL 508 UL/C-UL Recognized UL 60950 UL/C-UL Listed UL 1604 Class I, Division 2, Groups A, B, C, D

#### Connection data, input

Type of connection	COMBICON screw/plug connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	7 mm
Screw thread	M 3

#### Connection data, output

Type of connection	COMBICON screw/plug connection
--------------------	--------------------------------

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	7 mm

### Signaling

Output name	DC OK active
Status display	"DC OK" LED green

### Certificates / Approvals

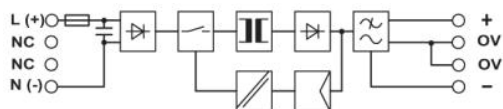


### requested approbations

Certification	CUL, CUL Listed, GOST, UL, UL Listed
Certification Ex:	CUL-EX LIS, UL-EX LIS

### Drawings

#### Block diagram



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2008 Phoenix Contact  
Technical modifications reserved;