

MINI-PS-120-230AC/24DC/0.65

This product has been replaced by a newer version.

Order No.: 2938497



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2938497>

Power supply unit, primary switched-mode

Commercial data	
EAN	4017918607555
Pack	1 Pcs.
Customs tariff	85044081
Weight/Piece	0.2046 KG
Catalog page information	Page 413 (IF-2002)

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Technical data	
Input data	
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	47 Hz ... 63 Hz
DC frequency range	0 Hz
Current consumption	Approx. 0.2 A (at 230 V AC, nominal load) Approx. 0.4 A (at 120 V AC, nominal load)
Inrush surge current	< 10 A (at 25°C, < 1 ms)

Power failure bypass	> 30 ms (for 120 V AC)
	> 100 ms (for 230 V AC)
Input fuse	Internal
Output data	
Nominal output voltage	24 V DC \pm 3%
Output current	0.65 A (up to 60°C)
	Up to 1.2 A (with POWER BOOST)
Connection in parallel	Yes, for assembling redundant systems
Residual ripple	< 100 mVPP
Peak switching voltages nominal load	< 20 mVPP (20 MHz)
Maximum power dissipation idling	2.2 W
Power loss nominal load max.	3.2 W
General data	
Width	22.5 mm
Height	99 mm
Depth	114.5 mm
Weight	0.14 kg
Efficiency	> 80 % (for 230 V AC and nominal values)
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 ... 60 °C (UL up to 50°C)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	95 % (at 25°C, no condensation)
Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715
Assembly instructions	Can be aligned: Vertical with spacing > 10 cm, horizontal with zero spacing
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
Standard - Electrical safety	EN 60950/VDE 0805 (SELV)
Standard - Safe isolation	DIN VDE 0100-410
	DIN VDE 0106-1010

Connection data, input

Type of connection	COMBICON screw/plug connection
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	7 mm
Screw thread	M 3

Connection data, output

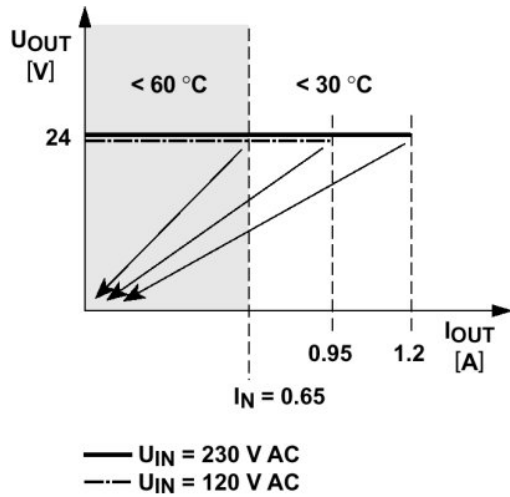
Type of connection	COMBICON screw/plug connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	7 mm

Signaling

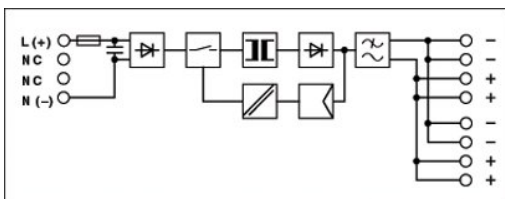
Status display	LED green (DC OK = LED permanently lit)
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Drawings

Diagram



Circuit diagram



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