

## QUINT-PS-120AC/24DC/5/F

This product has been replaced by a newer version.

Order No.: 2939263

The illustration shows the version QUINT-PS-230AC/24DC/5 F



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2939263>

Power supply unit, primary switched-mode, input 120 V AC, output 24 V DC/5 A, with filter

### Commercial data

EAN	4017918148102
Pack	1 Pcs.
Customs tariff	85044081
Weight/Piece	1.315 KG

<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	120 V AC
AC input voltage range	93 V AC ... 132 V AC
AC frequency range	47 Hz ... 63 Hz
Current consumption	Approx. 1.53 A
Inrush surge current	< 23 A (at 25°C)
Power failure bypass	> 20 ms
Input fuse	4 A (slow-blow, soldered internally)

#### Output data

Nominal output voltage	24 V DC $\pm$ 1,5 % (typical)
Setting range of the output voltage	(fixed voltage)
Output current	5 A

Connection in parallel	Yes, for assembling redundant systems and increasing efficiency
Residual ripple	150 mV <sub>PP</sub>
Peak switching voltages idling	100 mV <sub>PP</sub> (1.2 MHz bandwidth)
Maximum power dissipation idling	4 W
Power loss nominal load max.	20 W

**General data**

Width	180 mm
Height	78 mm
Depth	87 mm
Weight	1.2 kg
Operating voltage display	LED
Efficiency	> 86 %
Insulation voltage input/output	1.8 kV (routine test) 3 kV (type test)
Degree of protection	IP20
Class of protection	I, with PE connection
MTBF	> 500000 h in acc. with SN 29500
Ambient temperature (operation)	-20 °C ... 70 °C (UL up to 50°C)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	Up to 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
Standard - Electrical safety	EN 60950/VDE 0805 DIN EN 50178/VDE 0160:1998-04 UL 508C CSA C22.2-14 UL 1950 CSA C22.2-950 DIN VDE 0100-410 DIN VDE 0106-101

**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	14
Stripping length	8 mm
Screw thread	M 2,5

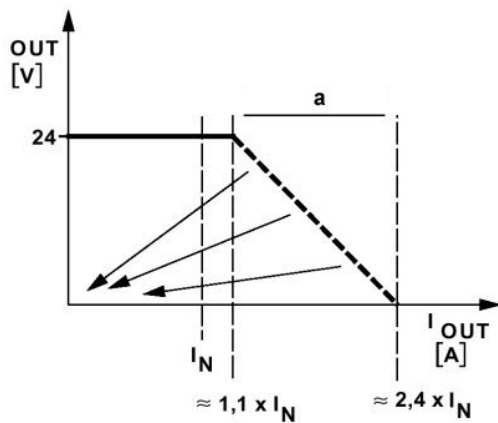
**Connection data, output**

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	14
Stripping length	8 mm

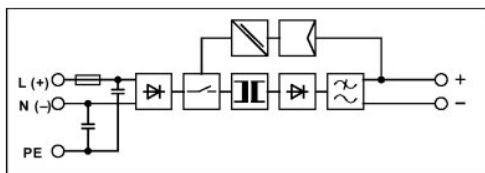
**Drawings**

Diagram

a = overload range



Circuit diagram



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