

QUINT-PS-230AC/24DC/10

This product has been replaced by a newer version.

Order No.: 2939179



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2939179>

Power supply unit, primary switched-mode, input 230 V AC, output 24 V DC/10 A

Commercial data

EAN	4017918155292
Pack	1 Pcs.
Customs tariff	85044081
Weight/Piece	1.747 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	230 V AC
AC input voltage range	187 V AC ... 264 V AC
AC frequency range	47 Hz ... 63 Hz
Current consumption	Approx. 1.6 A
Inrush surge current	< 24 A (at 25°C)
Power failure bypass	> 20 ms
Input fuse	6.3 A (slow-blow, soldered internally)

Output data

Nominal output voltage	24 V DC \pm 1%
Setting range of the output voltage	22.5 V DC ... 28.5 V DC (> 24 V constant)

Output current	10 A
Connection in parallel	Yes, for assembling redundant systems and increasing efficiency
Residual ripple	150 mV _{PP}
Peak switching voltages idling	100 mV _{PP} (1.2 MHz bandwidth)
Maximum power dissipation idling	5 W
Power loss nominal load max.	53 W

General data

Width	180 mm
Height	115 mm
Depth	125 mm
Weight	1.4 kg
Operating voltage display	LED
Efficiency	> 84 %
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)	0 °C ... 70 °C (UL up to 50°C)
Ambient temperature (storage/transport)	-25 °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
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 ²

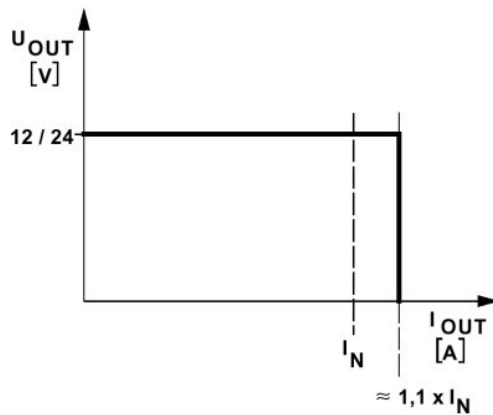
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M 2,5

Connection data, output

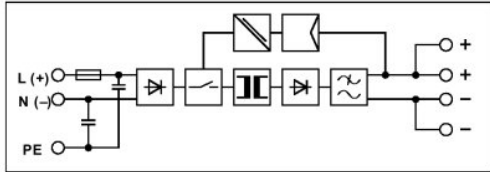
Type of connection	COMBICON screw/plug connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
Stripping length	8 mm

Drawings

Diagram



Circuit diagram



Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



© 2008 Phoenix Contact
Technical modifications reserved;