



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## QUINT-PS-3X400AC/24DC/30

This product has been replaced by a newer version.

Order No.: 2939195



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2939195>

Power supply unit, primary switched-mode, input 3 x 400 V AC, output  
24 V DC/30 A

### Commercial data

EAN	4017918155308
Pack	1 Pcs.
Customs tariff	85044081
Weight/Piece	4.734 KG

[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
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online catalog. For comprehensive  
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### Technical data

#### Input data

Nominal input voltage	3 x 400 V AC
AC input voltage range	325 V AC ... 460 V AC
AC frequency range	47 Hz ... 63 Hz
Current consumption	Approx. 2.7 A
Inrush surge current	< 29 A (at 25°C)
Power failure bypass	> 20 ms
Input fuse	6 A (externally via circuit breaker, characteristic B)

#### 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 capacity)
Output current	30 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	9 W
Power loss nominal load max.	98 W

#### General data

Width	230 mm
Height	156 mm
Depth	150 mm
Weight	4.4 kg
Operating voltage display	LED
Efficiency	> 88 %
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
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
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>

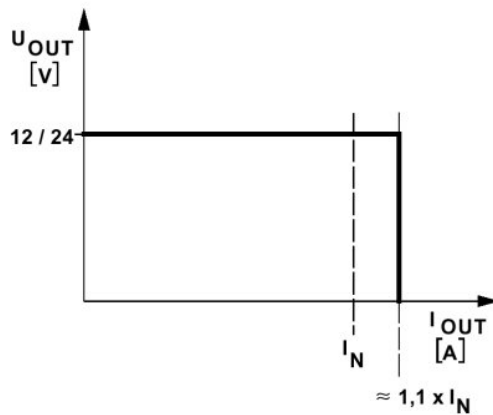
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M 2,5

**Connection data, output**

Type of connection	COMBICON screw/plug connection
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
Stripping length	8 mm

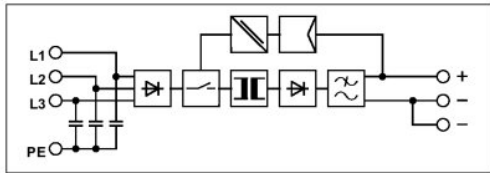
**Drawings**

Diagram



Circuit diagram

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