

## 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This product has been replaced by a newer version.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

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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>

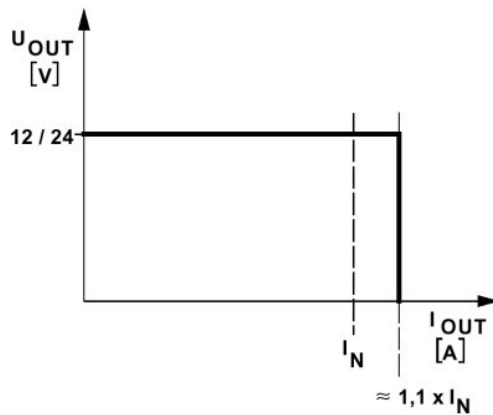
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M 2,5

**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

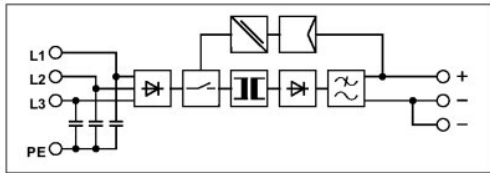
**Drawings**

Diagram



Circuit diagram

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