Extract from the online catalog

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This product has been replaced by a newer version.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

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.

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

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 ±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_{PP}
Peak switching voltages idling	100 mV_{PP} (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^2

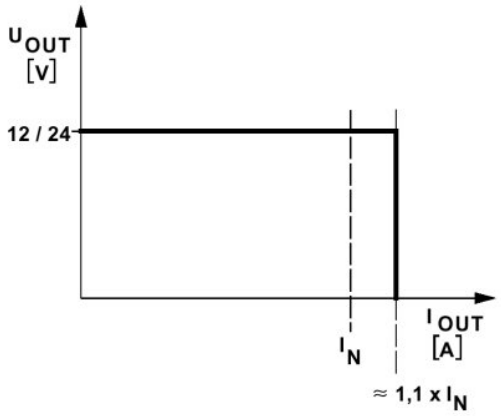
Conductor cross section solid max.	2.5 mm^2
Conductor cross section stranded min.	0.2 mm^2
Conductor cross section stranded max.	2.5 mm^2
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M 2,5

Connection data, output

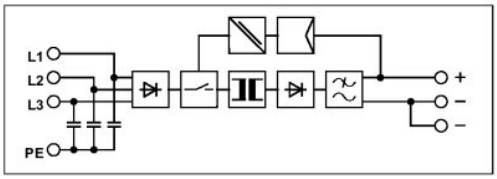
Type of connection	COMBICON screw/plug connection
Conductor cross section solid min.	0.5 mm^2
Conductor cross section solid max.	16 mm^2
Conductor cross section stranded min.	0.5 mm^2
Conductor cross section stranded max.	10 mm^2
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil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

Drawings

Diagram



Circuit diagram



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