



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



CM 50-PS-120-230AC/24DC/2,5/F

This product has been replaced by a newer version.

Order No.: 2939425



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2939425>

Power supply unit, primary switched-mode, input 100 V-240 V AC/ 100 V-370 V DC, output 24 V DC/2.5 A, with filter

Commercial data

EAN	4017918163198
Pack	1 Pcs.
Customs tariff	85044081
Weight/Piece	0.5719 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	110 V AC ... 240 V AC
AC input voltage range	90 V AC ... 264 V AC
DC input voltage range	100 V DC ... 350 V DC
AC frequency range	47 Hz ... 63 Hz
Current consumption	0.9 A (at 120 V) 0.5 A (at 230 V)
Inrush surge current	< 15 A (at 25°C)
Power failure bypass	20 ms (for 120 V AC) 80 ms (for 230 V AC)

Input fuse	4 A (slow-blow)
Output data	
Number of outputs	1
Nominal output voltage	24 V DC \pm 1%
Setting range of the output voltage	22.5 V DC ... 28.5 V DC
Output current	2.5 A
Connection in parallel	Yes, for assembling redundant systems and increasing efficiency
Residual ripple	< 200 mVPP (at no-load, typ. 20 mVpp)
	< 200 mVPP (at nominal load, typ. 20 mVpp)
Peak switching voltages idling	< 200 mVPP (at nominal load, typ. 20 mVpp)
Peak switching voltages nominal load	< 200 mVPP (at nominal load, typ. 20 mVpp)
Maximum power dissipation idling	4 W
Power loss nominal load max.	10 W
General data	
Width	50 mm
Height	130 mm
Depth	102 mm
Weight	0.5 kg
Operating voltage display	LED
Efficiency	> 85 %
Insulation voltage input/output	3 kV (routine test)
	5 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)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	Up to 100 % (at 25°C, device will still start up with 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	Screw 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	M2,5

Connection data, output

Type of connection	Screw 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

Certificates / Approvals



CUL

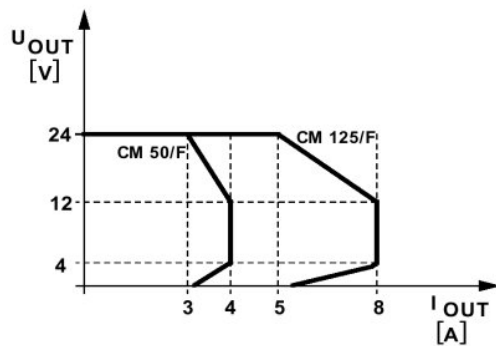
Comments	Output
Nominal voltage U_N	24 V
Nominal current I_N	2.5 A

UL

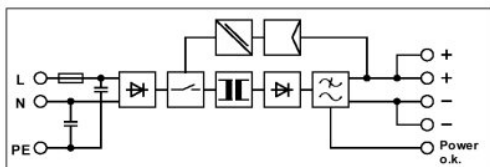
Comments	Output
Nominal voltage U_N	24 V
Nominal current I_N	2.5 A

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;