



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



► General data



Power supply unit, primary switched-mode, input 100 V-240 V AC/ 100 V-370 V DC, output 24 V DC/5 A, with filter

Order number	2939522
Type	CM125-PS-120-230AC/24DC/5/F

Barcode number	4017918163204
Unit pack	1 Pcs.
Customs tariff	85044094000

► Technical data

Input data

Nominal input voltage	110 V AC ... 240 V AC
Nominal input voltage	100 V DC ... 350 V DC
Input voltage range	90 V AC ... 264 V AC
Input voltage range	90 V DC ... 350 V DC
Input voltage range, short-term	85 V AC ... 285 V AC (1 min.)
Input voltage range, short-term	100 V DC ... 400 V DC (1 min.)
Frequency range	47 Hz ... 63 Hz
Current consumption	1.2 A (At 120 V)
Current consumption	0.7 A (At 230 V)
Inrush surge current	< 15 A (At 25°C)
Power failure bypass	> 100 ms (For 110 V AC)
Power failure bypass	> 100 ms (For 230 V AC)
Input fuse	Slow-blow
Name of protection	Transient protection
Protective circuit/component	Varistor

Output data

Nominal output voltage	24 V DC \pm 1 %
Setting range of the output voltage	22.5 V ... 28.5 V
Output current	5 A
Connection in parallel	Yes, for assembling redundant systems and increasing efficiency
Max. capacitive load	unbegrenzt
Control deviation	< 1 %
Control deviation	< 2 %
Residual ripple	< 200 mVss (At no-load, typ. 20 mVpp)
Residual ripple	< 200 mVss (At nominal load, typ. 20 mVpp)
Peak switching voltages idling	< 200 mVss (At nominal load, typ. 20 mVpp)
Peak switching voltages nominal load	< 200 mVss (At nominal load, typ. 20 mVpp)
Maximum power dissipation idling	3 W
Power loss nominal load max.	20 W

General data

Width	125 mm
Height	138 mm
Depth	134 mm
Weight	1 kg
Operating voltage display	LED
Efficiency	> 85 %
Insulation voltage input/output	3 kV (Routine test)
Insulation voltage input/output	5 kV (Type test)
Degree of protection	IP 20
Class of protection	I, with PE connection
MTBF	> 500000 h in acc. with SN 29 500
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Perm. relative humidity (operation)	100 % (At 25°C, device will still start up with condensation)
Installation position	On horizontal DIN rail NS 35/7.5 in acc. with EN 50 022
Assembly instructions	Can be aligned: -vertical with spacing = 10 cm, -horizontal with zero spacing

Connection data, input

Screw thread	M 2,5
Stripping length	8 mm
Type of connection	Screw connection
Min. conductor cross section AWG/kcmil	24
Conductor cross section AWG/kcmil max	14
Min. conductor cross section, rigid	0.2 mm ²
Conductor cross section, rigid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Max. conductor cross section, flexible	2.5 mm ²

Connection data, output

Stripping length	8 mm
Type of connection	Screw connection
Min. conductor cross section AWG/kcmil	24
Conductor cross section AWG/kcmil max	10
Min. conductor cross section, rigid	0.2 mm ²
Conductor cross section, rigid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Max. conductor cross section, flexible	4 mm ²
Number of outputs	1

► Certificates

CUL

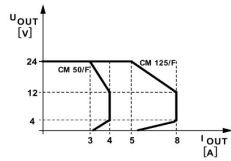
Comments	Output
Nominal voltage U_N	24 V
Nominal current I_N	5 A

UL

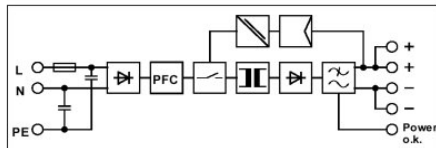
Comments	Output
Nominal voltage U_N	24 V
Nominal current I_N	5 A

▶ Drawings

Diagram



Circuit diagram



Approval logo



► Address

Phoenix Contact GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel + 49 - (0) 52 35 - 3-00
Fax + 49 - (0) 52 35 - 3-4 12 00
www.phoenixcontact.com

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