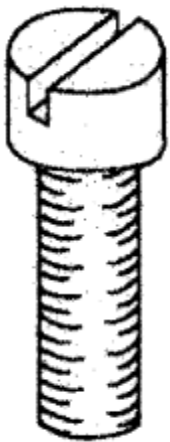


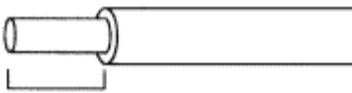
CM 125-PS-120-230 AC/24 DC/5



Input: 90 to 264 V AC or 130 V to 370 V DC
 Output: 24 V DC/5 A
 Housing width 125



M 3



8

(IEC)	rigid	flexible
[mm ²]	solid	stranded AWG

Connection data 0.2-2.5 0.2-2.5 24-14

Reliable separation in acc. with DIN VDE 0106-101

A V J

Description	Output current	Type	Order No.	Pcs. Pkt.
Compact power supply unit, primary switched mode	5.0 A	CM 125-PS-120-230 AC/24 DC/5	29 41 94 7	1

Technical data**Dimensions**

Height	[mm]	138
Length	[mm]	134
Width	[mm]	125

Input data

Input voltage	100-240 V AC 10 % without changeover 130-370 V DC (110-370 V DC at $T_U \geq 0$ °C) without changeover	
	for 120 V AC	for 230 V AC
Frequency	47-63 Hz	47-63 Hz
Peak making current (limited by protective resistor)	3.5 A	7 A
Current consumption	1.6 A	0.9 A
Power factor	0.75	0.70
Power failure bypass	approx. 20 ms	> 40 ms
Surge voltage protection	varistor	varistor

Output data

Nominal output voltage U_N / Nominal output current I_N	24 V DC / 5 A
Tolerance	± 1 %
Adjustment range	22.5 V DC to 28.5 V DC using front panel potentiometer
Surge voltage protection	varistor
Function indicator	LED, irrespective of shunt connections
Power Good signal	Active HIGH, internal series protective resistor 270 Ω
Shunting capability	yes, with unlimited number of power supply units
Current limitation	approx. $1.05 \times I_N$
Control deviation on load change: static 10-90 %	< 0.1 %, typ. < 0.02 %
dynamic 10-90 %	< 1.0 %, typ. < 0.50 %
Control deviation on input voltage alteration 10 %	< 0.1 %, typ. < 0.02 %
Rise time of U_{out} (10-90 %)	< 100 ms, typ. < 50 ms
Residual ripple	< 200 mV, typ. 30 mV
Switching peaks (20 MHz band width)	≤ 200 mV _{pp} ; typ. 50 mV _{pp}

Climatic data

Ambient temperature (operation / storage)	-20 °C to +60 °C / -25 °C to +85 °C
Humidity	up to 95 % at 25 °C, no condensation
Air pressure (operation / storage)	860-1060 hPa / 660-1060 hPa

General data

Isolation voltage input/output	3 kV (routine test)
Electrical safety	EN 60950/VDE 0805, UL 1950/CSA C22.2 No.950, CSA C22.2 No.234, prEN 50178/DIN EN 50178/VDE 0160, UL 508C, CSA C22.2 No. 14-M91
Reliable separation	DIN VDE 0100-410, DIN VDE 0106-101
Electromagnetic compatibility	C - in conformance with EMC directive 89/336/EEC
• Emitted interference	EN 50 081-2

• Immunity to interference	EN 50 082-2
Installation position	on horizontal mounting rails, so vertical convection is possible
Type of connection	screw/plug-in connection COMBICON
Type of protection	IP 20
Class of protection	I
MTBF	> 100000 h
Efficiency	> 83 % (at 120 V AC) / > 85 % (at 230 V AC)
Weight	approx. 0.8 kg

Type of housing

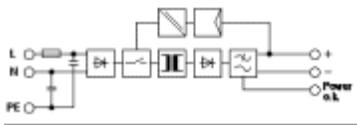
Polycarbonate PC, see [product-line info](#)

color: green

Torque value of terminals, see [product-line info](#).

The rated cross section (see [product-line info](#)) refers to untreated conductors without ferrules.

Block diagram



Diagram

