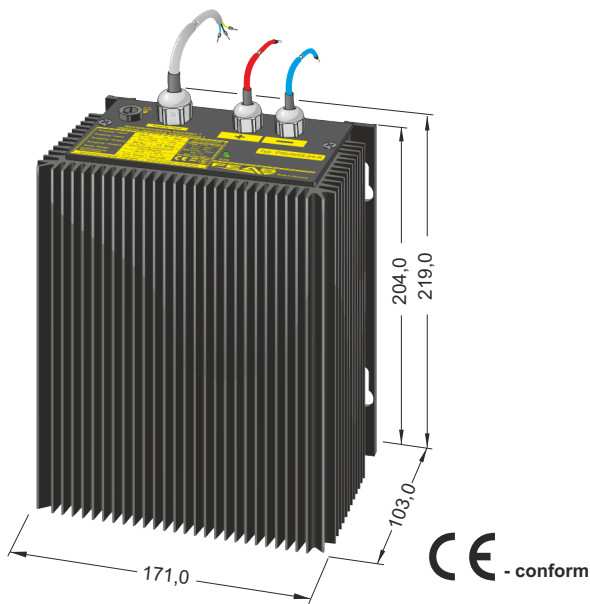


# DC power supply unregulated for 230VAC input voltage type PSU500L-K

## Technical data



Input data		
Input voltage AC	230VAC	45 - 66 Hz
Input voltage tolerance	-10% to +15%	
Input current at nominal load	at 230VAC max. 2,2A	
Protective circuit	-	
Hold-up time	20 mSek. typ.	

Output data	
Output voltage $U_{Nominal}$	see table below
Output current $I_{Nominal}$	see table below
Current limiting	-
Residual ripple (100Hz)	< 2%

Control data	
Control deviation load	-
Control deviation supply	-
Control time	-

Operating data	
Duty circle	100%
Operating temperature range	-30°C to +70°C
Derating	-
Storage temperature range	-30°C...+105°C
Cooling	selfcooling
	recommended respective distance 15mm each

Safety devices	
Fuse for input	6,3A delayed, integrated into the device
Fuse for output	in dependency of nominal output current
Overload protection	-
MTBF	>400.000 h

Safety data	
Test voltage transformer	5 kVac in accordance to VDE 0551
High voltage resistance	Primary circuit - secondary circuit 3,75 kVac acc. to VDE 0806 / IEC 380
Degree of EMI suppresion	< K acc. to VDE 0875 and VDE 0877
Protection class	Class 1 with PE-Connection (EN 62368)
Extra low safety potential	PELV (EN60204), SELV (EN 62368)

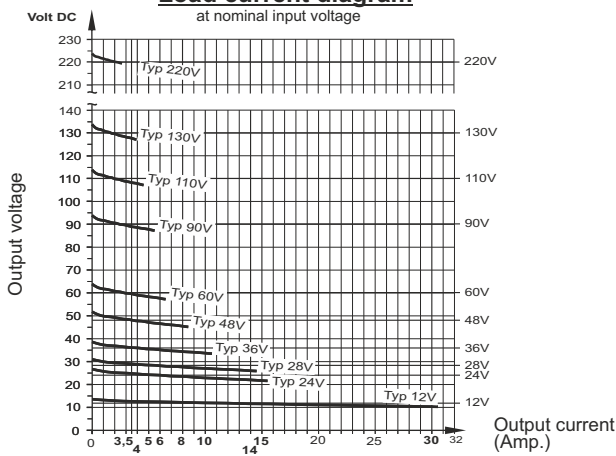
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP 65
Protective class terminals	-
Vibration proof	>30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27

Applied construction regulations	
according to VDE	VDE 0100, 0110, 0113, 0551, 0160/W2, 0806
IEC	IEC 62368, IEC61000-6-1-2, IEC60068-2-3
	IEC 60068-2-11-52, IEC 60529, IEC 380
EN	EN62368, EN50082-1
	EN61000-6-1-2, EN50178,
	EN50204, EN61558-2-17
	EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11
	EN60068-1, EN60068-2-1-2-3-6-27-30
	EN45501, EN50021
CSA / UL	CSA-C 22.2 / UI62368, UL508, UL1950

Mechanics	
Mounting	wall mounting with screws

- Output separated according to VDE 0551
- Extra low safety potential PELV, SELV, except PSU500L130-K and PSU500L220-K
- Parallel connection possible
- Suitable for the tropics - Epoxy resin casted
- Operating status shown by LED
- Safety acc. to VDE, EN, UL, CSA
- Normal cable length approx. 1,0m longer cables possible

### Load current diagram



Nominal output voltage	12,0Vdc	24,0Vdc	28,0Vdc	36,0Vdc	48,0Vdc	60,0Vdc	90,0Vdc	110,0Vdc	130,0Vdc	220,0Vdc
Input voltage	230VAC	230VAC	230VAC	230VAC	230VAC	230VAC	230VAC	230VAC	230VAC	230VAC
Type	PSU 500L12-K	PSU 500L24-K	PSU 500L28-K	PSU 500L36-K	PSU 500L48-K	PSU 500L60-K	PSU 500L90-K	PSU 500L110-K	PSU 500L130-K	PSU 500L220-K
Nominal output current	30.0Amp.	15.0Amp.	14.0Amp.	10.0Amp.	8.0Amp.	6.0Amp.	5.0Amp.	4.0Amp.	3.5Amp.	2.0Amp.
Power	360Watt	360Watt	392Watt	360Watt	384Watt	360Watt	450Watt	440Watt	455Watt	440Watt
Efficiency	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
Dimensions (W x H x D)	171x219x103	171x219x103	171x219x103	171x219x103	171x219x103	171x219x103	171x219x103	171x219x103	171x219x103	171x219x103
Weight	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg	approx. 8.2kg
Order-No.	581312	581324	581328	581336	581348	581360	581390	5813110	5813130	5813220