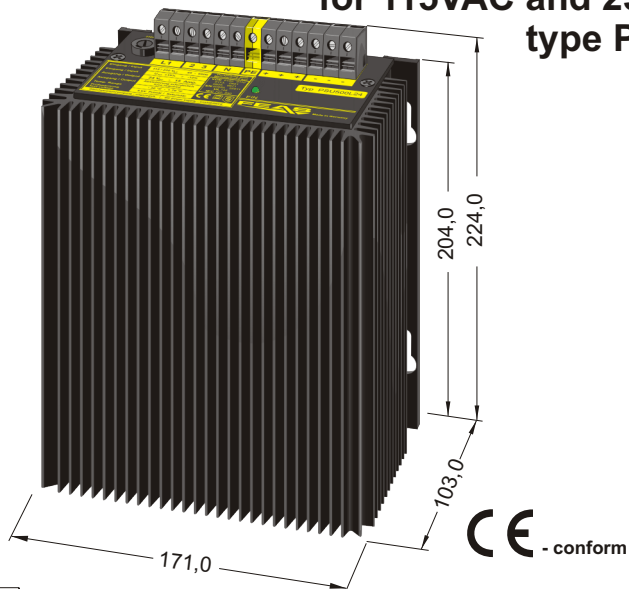
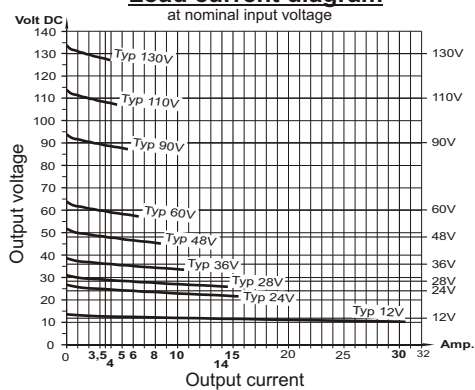


# DC power supply unregulated for 115VAC and 230VAC input voltage type PSU500L



- Output separated according to VDE 0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950), **except PSU500L130**
- Parallel connection possible
- Suitable for the tropics - Epoxy resin casted
- Operating status shown by LED
- Safety acc. to VDE, EN, UL, CSA

### Load current diagram



## Technical data

Input data		
Input voltage AC	115VAC / 230VAC	45 - 66 Hz
Input voltage tolerance	-10% to +15%	
Input current at nominal load	at 115VAC max. 4,4A, 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	at 115VAC 12,5A delayed, at 230VAC 6,3A delayed	
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 60950)	
Extra low safety potential	PELV (EN60204), SELV (EN 60950)	
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient	
Protective class enclosure	IP 65	
Protective class terminals	IP 20 (VGB4)	
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 60950, IEC61000-6-1-2, IEC60068-2-3	
	IEC 60068-2-11-52, IEC 60529, IEC 380	
EN	EN60950, 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 / UL60950, UL508, UL1950	
Mechanics		
Mounting	wall mounting with screws	

Nominal output voltage	12,0Vdc	24,0Vdc	28,0Vdc	36,0Vdc	48,0Vdc	60,0Vdc	90,0Vdc	110,0Vdc	130,0Vdc
Range of adjustment output voltage	-	-	-	-	-	-	-	-	-
Type	PSU500L12	PSU500L24	PSU500L28	PSU500L36	PSU500L48	PSU500L60	PSU500L90	PSU500L110	PSU500L130
Nominal output current	30,0Amp.	15,0Amp.	14,0Amp.	10,0Amp.	8,0Amp.	6,0Amp.	5,0Amp.	4,0Amp.	3,5Amp.
Power	360Watt	360Watt	392Watt	360Watt	384Watt	360Watt	450Watt	440Watt	455Watt
Efficiency	90%	90%	90%	90%	90%	90%	90%	90%	90%
Dimensions (W x H x D)	171x224x103	171x224x103	171x224x103	171x224x103	171x224x103	171x224x103	171x224x103	171x224x103	171x224x103
Weight	approx. 8,1kg	approx. 8,1kg	approx. 8,1kg	approx. 8,1kg	approx. 8,1kg	approx. 8,1kg	approx. 8,1kg	approx. 8,1kg	approx. 8,1kg
Order-No.	58912	58924	58928	58936	58948	58960	58990	589110	589130