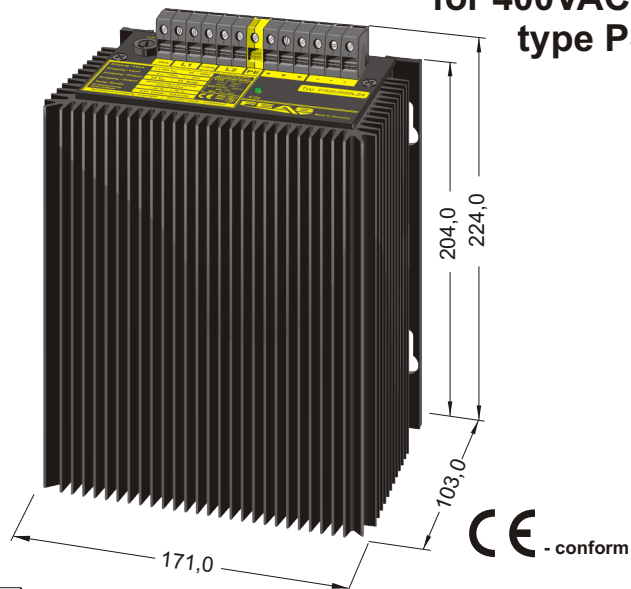
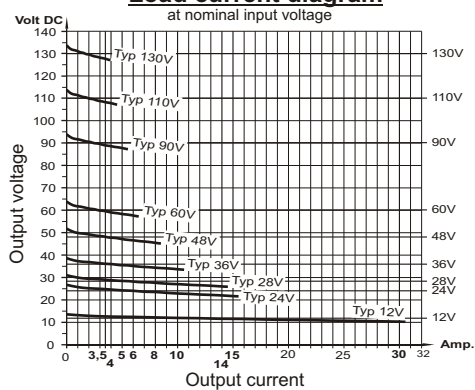


# DC power supply unregulated for 400VAC input voltage type PS2U500L



- Output separated according to VDE 0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950), **except PS2U500L130**
- 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	400VAC 45 - 66 Hz
Input voltage tolerance	-10% to +15%
Input current at nominal load	at 400VAC max. 1,3A
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	5,0A 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 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	-10% und +10%	-10% und +10%	-10% und +10%	-10% und +10%	-10% und +10%	-10% und +10%	-10% und +10%	-10% und +10%	-10% und +10%
Type	PS2U 500L12	PS2U 500L24	PS2U 500L28	PS2U 500L36	PS2U 500L48	PS2U 500L60	PS2U 500L90	PS2U 500L110	PS2U 500L130
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.	58913	58925	58929	58937	58949	58961	58991	589111	589131