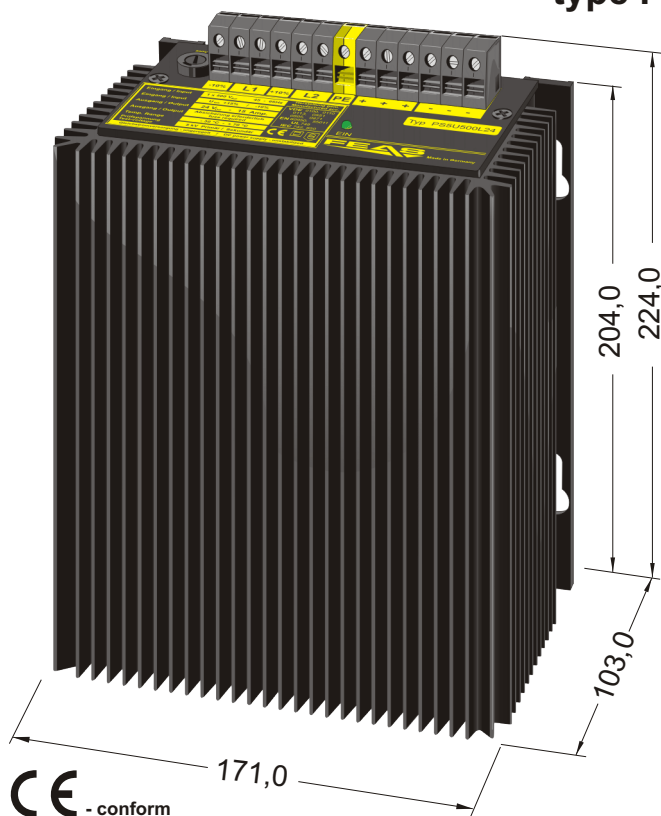


# DC power supply unregulated for 500VAC input voltage type PS5U500L



CE - conform

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

## Technical data

Input data		
Input voltage AC	500VAC	45 - 66 Hz
Input voltage tolerance	-10% to +15%	
Input current at nominal load	at 500VAC max. 0,8A	
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	

<b>Nominal output voltage</b>		24,0Vbc
<b>Range of adjustment output voltage</b>		-10% und +10%
<b>Type</b>		PS5U500L24
<b>Nominal output current</b>		15,0Amp.
<b>Power</b>		360Watt
<b>Efficiency</b>		90%
<b>Dimensions (W x H x D)</b>		171x224x103
<b>Weight</b>		approx. 8,1kg
<b>Order-No.</b>		584224

