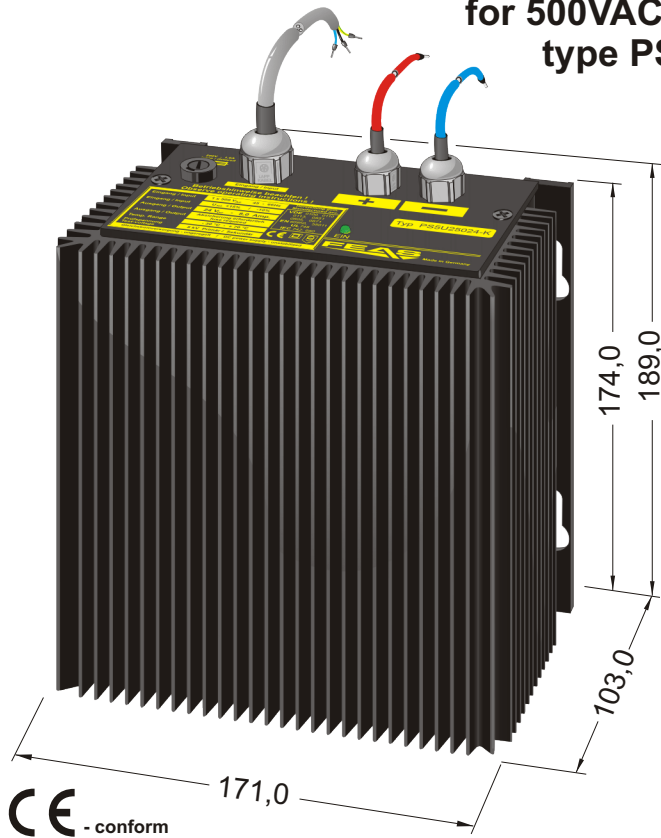


DC power supply unregulated for 500VAC input voltage type PS5U250-K



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. 0,43A	
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	1,6A 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 (EN 60204), 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	-	
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, IEC 61000-6-1-2, IEC 60068-2-3	
	IEC 60068-2-11-52, IEC 60529, IEC 380	
EN	EN 60950, EN 50082-1	
	EN 61000-6-1-2, EN 50178,	
	EN 50204, EN 61558-2-17	
	EN 60204, EN 60529, EN 61000-4-2-3-4-5-6-8-11	
	EN 60068-1, EN 60068-2-1-2-3-6-27-30	
	EN 45501, EN 50021	
CSA / UL	CSA-C 22.2 / UL 60950, UL 508, UL 1950	
Mechanics		
Mounting	wall mounting with screws	

- ☐ 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

Nominal output voltage		24,0V _{bc}
Range of adjustment output voltage		-
Type		PS5U25024-K
Nominal output current		8,0Amp.
Power		192Watt
Efficiency		90%
Dimensions (W x H x D)		171x189x103
Weight		approx. 6,34kg
Order-No.		581525

