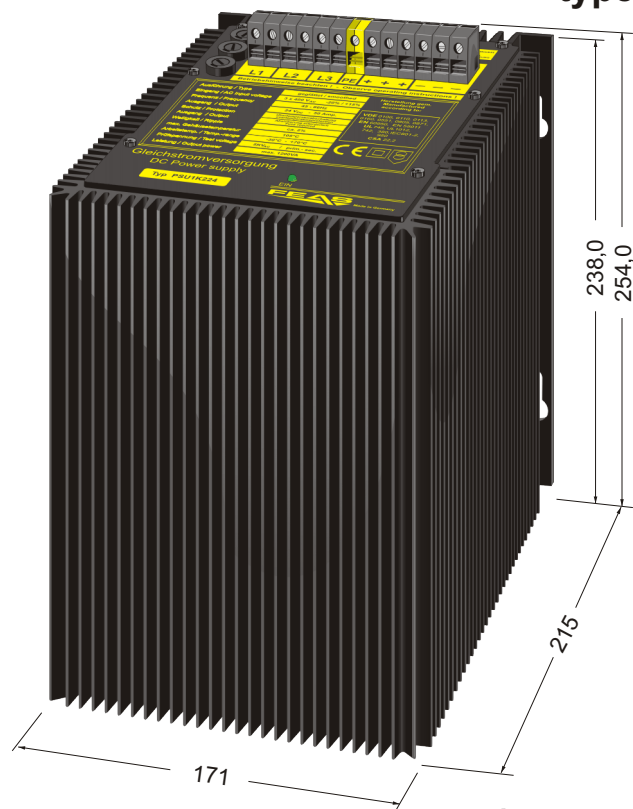


DC power supply unregulated for 3 x 400VAC input voltage type PSU1K2



- 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	3 x 400VAC	45 - 66 Hz
Input voltage tolerance	-20% to +15%	
Input current each phase at nominal load	at 3 x 400VAC max. 2,0A each phase	
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 each phase, 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 suppression	< 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	12,0V _{DC}	24,0V _{DC}	48,0V _{DC}	70,0V _{DC}
Range of adjustment output voltage	-	-	-	-
Type	PSU1K212	PSU1K224	PSU1K248	PSU1K270
Nominal output current	100,0Amp.	50,0Amp.	25,0Amp.	15,0Amp.
Power	1200Watt	1200Watt	1200Watt	1050Watt
Efficiency	90%	90%	90%	90%
Dimensions (W x H x D)	171x254x215	171x254x215	171x254x215	171x254x215
Weight	approx. 19,35kg	approx. 19,35kg	approx. 19,35kg	approx. 19,35kg
Order-No.	582712	582724	582748	582770

