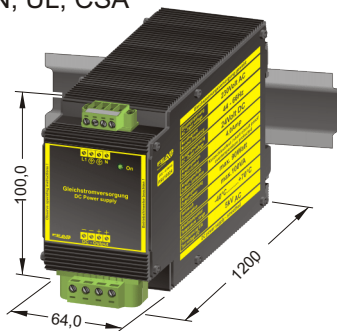


DC power supply unregulated for 230VAC input voltage type PSU100



CE - konform

- ☐ Output separated according to VDE 0551
- ☐ Extra low safety potential
PELV (EN 60204), SELV (EN 60950)
- ☐ Overload- and open circuit protected
short circuit proof
- ☐ Parallel connection possible
Not protected against pol-permutation at the output
- ☐ 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	230VAC	45 - 66 Hz
Input voltage tolerance	-15% to +15%	
Input current at nominal load	at 230VAC max. 0,5A	
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)	< 3%	
Control data		
Control deviation load	-	
Control deviation supply	-	
Control time	-	
Operating data		
Duty circle	100%	
Operating temperature range	-40°C to +70°C	
Derating	from 40°C	
Storage temperature range	-40°C...+105°C	
Cooling	selfcooling	
	recommended respective distance 15mm each	

Safety devices	
Fuse for input	2,0A delayed
Fuse for output	not necessary - cont. short-circuit proof
Overload protection	integrated into the device
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	on rails acc. to DIN 46277 or wall mounting with screws

Nominal output voltage		12,0V _{DC}	24,0V _{DC}
Range of adjustment output voltage		-	-
Type		PSU10012	PSU10024
Nominal output current		8,0Amp.	4,0Amp.
Power		96Watt	96Watt
Efficiency		88%	88%
Dimensions (W x H x D)		64x100x120	64x100x120
Weight		approx. 1,85kg	approx. 1,85kg
Order-No.		582650	582651

Load-current diagram
at nominal input voltage

