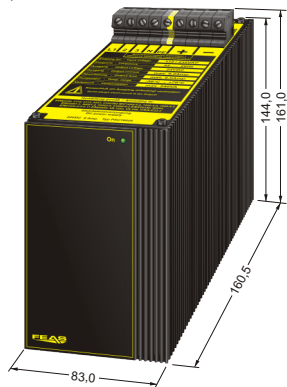


DC power supply unregulated for 115VAC and 230VAC input voltage type PSU180-W



CE - konform

- Output separated according to VDE 0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950)
- 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	115VAC / 230VAC	45 - 66 Hz
Input voltage tolerance	-15% to +15%	
Input current at nominal load	at 115VAC max. 1,6A, at 230VAC 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	from 40°C
Storage temperature range	-30°C...+105°C
Cooling	selfcooling recommended respective distance 15mm each

Safety devices	
Fuse for input	at 115VAC 4,0A delayed, at 230VAC 2,0A delayed
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	12,0V _{DC}	24,0V _{DC}	32,0V _{DC}	
Range of adjustment output voltage	-	-	-	
Type	PSU18012-W	PSU18024-W	PSU18032-W	
Nominal output current	15,0Amp.	8,0Amp.	6,0Amp.	
Power	180Watt	192Watt	192Watt	
Efficiency	90%	90%	90%	
Dimensions (W x H x D)	83x161x160,5	83x161x160,5	83x161x160,5	
Weight	approx. 5,70kg	approx. 5,70kg	approx. 5,70kg	
Order-No.	58551201	58552401	58553201	

Load-current diagram

at nominal input voltage

