

DC power supply linear regulated for 115 / 230VAC input voltage type PSW70

Technical data



CE - konform

- ☐ aluminium housing
- ☐ 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
Pay attention to correct polarity
- ☐ Suitable for the tropics - Epoxy resin casted
- ☐ Operating status shown by LED
- ☐ Safety acc. to VDE, EN, UL, CSA

Input data		
Input voltage AC	115Volt / 230Volt	44 - 66 Hz
Input voltage tolerance	-15% to +15%	
Input current at nominal load	at 115VAC max. 1.1A / at 230VAC max. 0.6A	
Input current peak	-	
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	1,2 x I_{N}
Residual ripple (100Hz)	2,1mV _{rms} (24V), 3,2mV _{rms} (12V)

Control data	
Control deviation load	< 200mV with load variation 10...90%
Control deviation supply	< 10mV with supply variation $\pm 10\%$
Control time	< 1 Sek. with load variation 10...90%

Operating data	
Duty circle	100%
Operating temperature range	-30°C to +70°C
Derating	from 40°C
Storage temperature range	-30°C...+85°C
Cooling	selfcooling
	recommended respective distance 15mm each

Safety devices	
Fuse for input	at 115VAC 3,0A delayed / at 230VAC 1,5A delayed
Fuse for output	not necessary - cont. short-circuit proof
Overload protection	integrated into device
MTBF	>380.000 h

Safety data	
Test voltage transformer	4 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	in acc. to VDE 0871 B, EN 55022/B
Protection class	Class 2 (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 (BGV A3)
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, IEC61000-6-1-2-3-4, IEC60068-2-3, IEC 60068-2-11-52, IEC 60529, IEC 380
EN	EN60950, EN50081-1, EN50081-2, EN50082-1, EN61000-6-1-2-3-4, EN50178, EN55022, EN55011, EN61000-3-3, 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 DIN46277 or wall mounting with screws

Nominal output voltage	12,0V _{DC}	24,0V _{DC}
Range of adjustment output voltage	-	-
Type	PSW7012	PSW7024
Nominal output current	4,0Amp.	2,5Amp.
Consumption	127VA	120VA
Efficiency	50%	66%
Dimensions (W x H x D)	95x100x120	95x100x120
Weight	approx. 2,85kg	approx. 2,85kg
Order-No.	58709	58708

