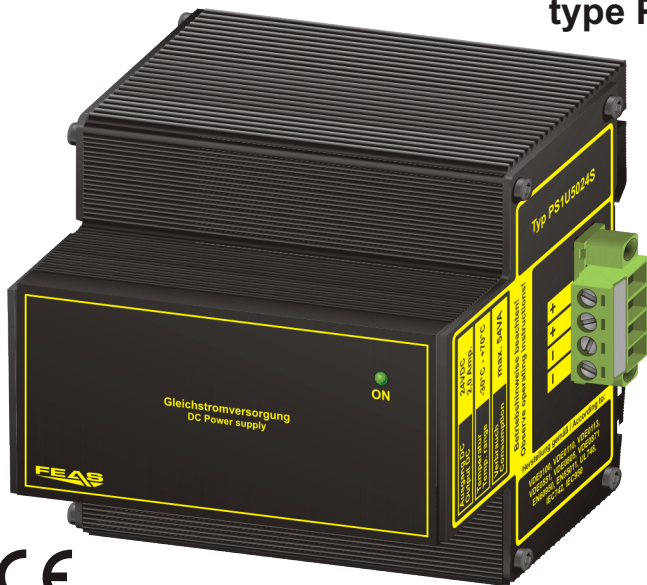
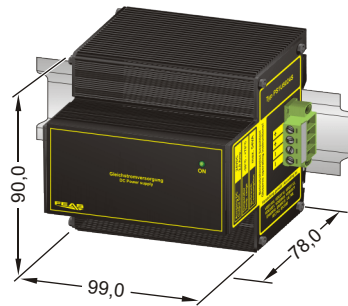


DC power supply unregulated for 115VAC input voltage type PS1U50S



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
- ☐ 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	45 - 66 Hz
Input voltage tolerance	-10% to +15%	
Input current at nominal load	at 115VAC 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	-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	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}
Input voltage		115VAC		115VAC
Type		PS1U5012S		PS1U5024S
Nominal output current		4,0Amp.		2,0Amp.
Power		48Watt		48Watt
Efficiency		92%		92%
Dimensions (W x H x D)		114x90x78		114x90x78
Weight		approx. 1,55kg		approx. 1,55kg
Order-No.		585013		585014

load current diagram
at nominal input voltage

