

DC power supply unregulated for 400VAC input voltage type PS2U180-W



CE - konform

Technical data

Input data		
Input voltage AC	400VAC	45 - 66 Hz
Input voltage tolerance	-15% to +15%	
Input current at nominal load	at 400VAC max. 0,45A	
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	

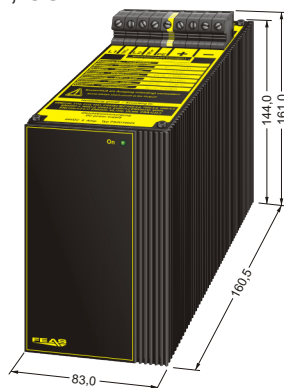
Safety devices	
Fuse for input	1,0A delayed
Fuse for output	in dependency of nominal output current
Overload protection	-
MTBF	>400.000 h

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

- ☐ 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



Nominal output voltage		24,0V _{DC}		
Range of adjustment output voltage		-10% und +10%		
Type		PS2U18024-W		
Nominal output current		8,0Amp.		
Power		192Watt		
Efficiency		90%		
Dimensions (W x H x D)		83x161x160,5		
Weight		approx. 5,70kg		
Order-No.		58552501		

Load-current diagram
at nominal input voltage

