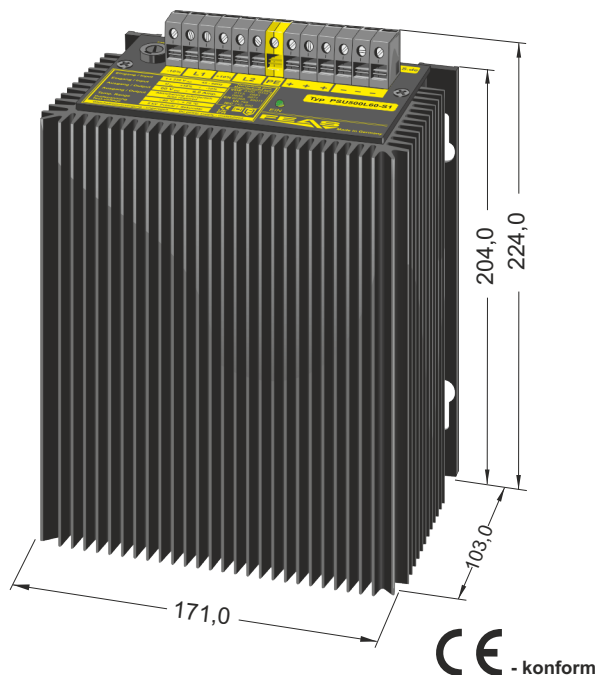
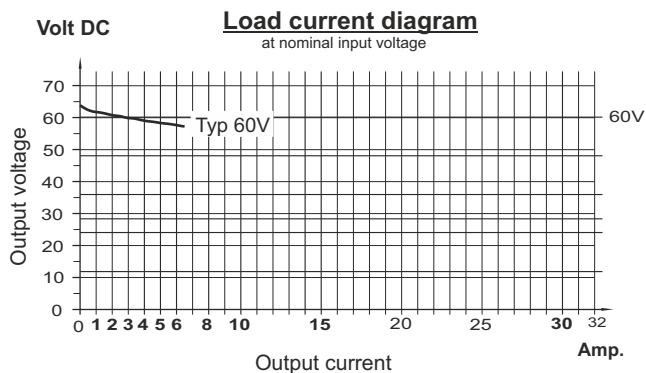


data sheet

DC power supply unregulated: PSU500L60-S1



- ☐ Output separated according to VDE 0551
- ☐ Extra low safety potential
PELV (EN 60204), SELV (EN 62368)
- ☐ Parallel connection possible
- ☐ Suitable for the tropics - Epoxy resin casted
- ☐ Operating status shown by LED
- ☐ Safety acc. to VDE, EN, UL, CSA



Technical data

General data

Typ	PSU500L60-S1
FEAS Order number	58962
Product description	power supply unregulated
Produktfunktion	DC power supply

Input data

Input voltage AC	230VAC	45 - 66 Hz
Input voltage tolerance	-10% to +10%	
Input current at nominal load	at 230VAC max. 2.2A	
Protective circuit	-	
Hold-up time	20 mSek. typ.	

Output data

Output voltage $U_{Nominal}$	60 VDC
Range of adjustment	-10% and +10% $U_{Nominal}$ (see terminal assignment)
Output current $I_{Nominal}$	6.0 Amp.
Leistung	360 Watt
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	-
Storage temperature range	-30°C...+105°C
Efficiency	ca. 90%
Cooling	selfcooling
	recommended respective distance 15mm each

Safety devices

Fuse for input	6.3A delayed, integrated into the device
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 suppression	< K acc. to VDE 0875 and VDE 0877
Protection class	Class 1 with PE-Connection (EN 62368)
Extra low safety potential	PELV (EN60204), SELV (EN 62368)
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 62368, IEC61000-6-1-2, IEC60068-2-3
	IEC 60068-2-11-52, IEC 60529, IEC 380
EN	EN62368, 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 / UL62368, UL508, UL1950

Mechanics

Mounting	wall mounting with screws
Dimensions (B x H x T)	171mm x 224mm x 103mm
Weight	approx. 8.1 kg



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