

Accupac with electronic charging controller and integrated DC power supply for 24VDC line type LDR80

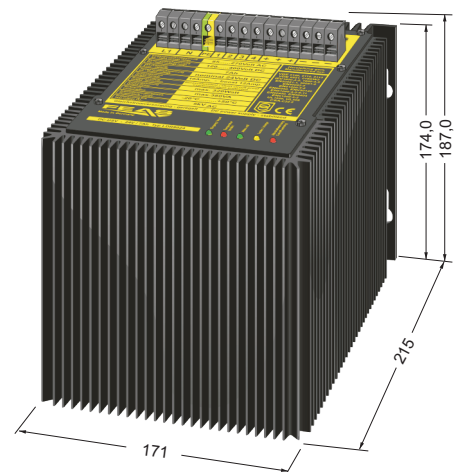


CE - conform

- PFC acc. to IEC/EN 61000-3-2
- Output separated according to VDE 0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950)
- Overload- and open circuit protected, short circuit proof
- Manual shut down possible when running in buffer mode
- Suitable for the tropics - Epoxy resin casted
- Operating status shown by LED
- Automatic accu test
- Safety acc. to VDE, EN, UL, CSA

Technical data

Input data		
Input voltage AC	85 - 270Volt	0 - 66Hz
Inputvoltage DC	120Volt - 400Volt	
Input current at nominal load	at 115VAC max. 2.5A / at 230VAC max. 1.25A	
Input current peak	< 8.2A at 270VAC	
Protective circuit	Transient voltage suppressor Varistor	
Output data		
Output voltage U _{Nominal}	see table below	
Output current I _{Nominal}	see table below	
Current limiting	approx. 120% I _{Nominal}	
Residual ripple (20MHz)	< 25mVpp	
Control data (DC power supply)		
Control deviation load	< 200mV with load variation 10...90%	
Control deviation supply	< 10mV with supply variation ±10%	
Control time	< 10 mSek. with load variation 10...90%	
Operating data		
Duty circle	100%	
Operating temperature range	- 20°C to +50°C	
Derating	from 40°C	
Storage temperature range	-30°C...+65°C	
Cooling	selfcooling	
	recommended respective distance 15mm each	
Safety devices		
Fuse for input	at 115VAC - 5.0A delayed, at 230VAC - 2.5A delayed	
Fuse for output	not necessary, cont. short circuit proof	
Overload protection	integrated into the device	
MTBF	>380,000 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	in acc. to VDE 0871 B, EN 55022/B	
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, IEC61000-6-1-2-3-4, 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, EN61000-3-2, EN61000-3-3, EN50204	
	EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11	
	EN60068-1, EN60068-2-1-2-3-6-27-30	
	EN45501, EN50021, EN61558-2-17	
CSA / UL	CSA-C 22.2 / UL60950, UL508, UL1950	
Mechanics		
Mounting	wallmounting with screws	



Nominal output voltage		24.0Vdc		
Accu-capacity		7.0Ah		
Type		LDR8024		
Nominal output current		10.0A		
Power		240Watt		
Efficiency		88%		
Dimensions (W x H x D)		171.0x 174.0x215.0		
Weight		approx. 11.50kg		
Order-No.		589927		