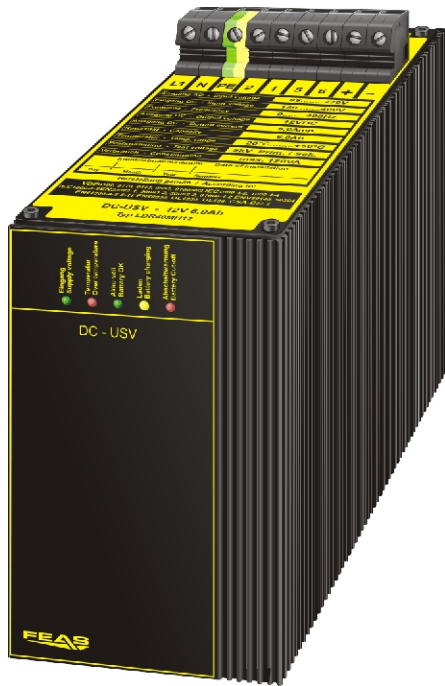


# Accupac with electronic charging controller and integrated DC power supply for 12V<sub>DC</sub> line type LDR40MH12



## Technical data

Input data	
Input voltage AC	85 - 270 V <sub>AC</sub> (0-400 Hz)
Input voltage DC	120 - 400 V <sub>DC</sub>
Input current at nominal load	at 115 V <sub>AC</sub> max. 1,1 A / at 230 V <sub>AC</sub> max. 0,55 A
Input current peak	< 17,0 A at 270 V <sub>AC</sub>
Protective circuit	Transient voltage suppressor varistor
Hold-up time	20ms typ.
Output data	
Output voltage U <sub>nominal</sub>	12V <sub>DC</sub>
Output current I <sub>nominal</sub>	8,0 Amp.
Current limiting	approx. 1,2 x I <sub>N</sub>
Residual ripple (20MHz)	< 25 mV <sub>pp</sub>
Control data	
Control deviation load	< 200 mV with load variation 10....90%
Control deviation supply	< 10 mV with supply variation ±10%
Control time	< 10 ms 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 to +65°C
Cooling	selfcooling recommended respective distance 15 mm each
Safety devices	
Input fuse	at 115V <sub>AC</sub> 2,5 A delayed / at 230V <sub>AC</sub> 1,25 A delayed
Output fuse	not necessary, short circuit proof
Overload protection	integrated into device
MTBF	>380.000 h without storage battery
Safety data	
Test voltage transformer	5 kV <sub>AC</sub> according to VDE 0551
High voltage resistance	primary- / secondary circuit 3,75 kV <sub>AC</sub> acc. to VDE
Degree of EMI suppression	according to VDE 0871B, 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 atmosphere
Protection class enclosure	IP 65
Protection class terminals	IP 20 (BGV A3)
Vibration proof	>30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27 without storage battery
Applied design specifications	
according to VDE	VDE 0100,0110,0113,0140-1,0551,0160/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,EN61140,EN61000-6-1,EN61000-6-2, EN61000-6-3,EN61000-6-4,EN55022, EN55011, EN61000-3-2,EN61000-3-3,EN50204, EN60204, EN60529,EN61000-4-2-3-4-5-6-8-11, EN60068-1,
CSA / UL	CSA-C 22.2 / UL60950, UL508, UL1950
Mechanical data	
Mounting	on rails acc. to DIN 46277 or wallmounting with screws
Dimensions W x H x D	83mm x 161mm x 160,5mm
Weight	approx. 3,50 kg

CE - compliant

- Output separated according to VDE0551
- 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
- Safety acc. to VDE, EN, UL and CSA

Type	LDR40MH12
Order number	589931
Nominal output voltage	12 V <sub>DC</sub>
Nominal output current	8,0 A
Accu-capacity	6,0 Ah
Power	96 Watt
Efficiency	86%
Dimensions (W x H x D)	83x161x160,5
Weight	approx. 3,50 kg



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