

Accupac with electronic charging controller and integrated DC power supply for 24VDC line with an additional 12VDC output type LDR40MH24/12-W



Technical data

Input data	
Input voltage AC	85 - 270 V _{AC} (0-400 Hz)
Input voltage DC	120 - 400 V _{DC}
Input current at nominal load	at 115 V _{AC} max. 1.3 A / at 230 V _{AC} max. 0.65 A
Input current peak	< 17.0 A at 270 V _{AC}
Protective circuit	Transient voltage suppressor varistor
Hold-up time	20ms typ.

Output data	
1. Output voltage U _{nominal} / I _{nominal}	24V _{DC} / 4,0 Amp.
2. Output voltage U _{nominal} / I _{nominal}	12V _{DC} / 2,0 Amp.
Current limiting	-
Residual ripple (20MHz)	< 25 mV _{pp}

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%

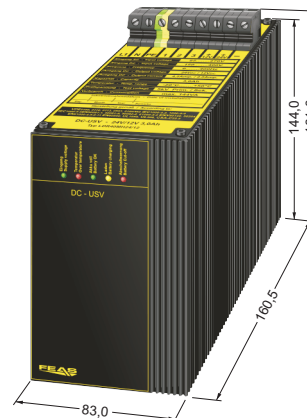
Operating data	
Duty circle	100%
Operating temperature range	-20°C to +50°C
Derating	from 40°C
Storage temperature range	-30°C to +65°C
Cooling	selfcooling recommended respective distance 15 mm each

Safety devices	
Input fuse	at 115V _{AC} 2,5 A delayed / at 230V _{AC} 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 _{AC} according to VDE 0551
High voltage resistance	primary- / secondary circuit 3,75 kV _{AC} 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 / UL	CSA-C 22.2 / UL60950, UL508, UL1950

Mechanical data	
Mounting	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
- Second DC voltage output
- Suitable for the tropics - Epoxy resin casted
- Operating status shown by LED
- Safety acc. to VDE, EN, UL and CSA

Type	LDR40MH24/12
Order number	58994101
1. output voltage	24 V _{DC} / 4,0A
2. output voltage	12 V _{DC} / 2,0A
Accu-capacity	3,0 Ah
Power	120 Watt
Efficiency	89%
Dimensions (W x H x D)	83x161x160,5
Weight	approx. 3,50 kg

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