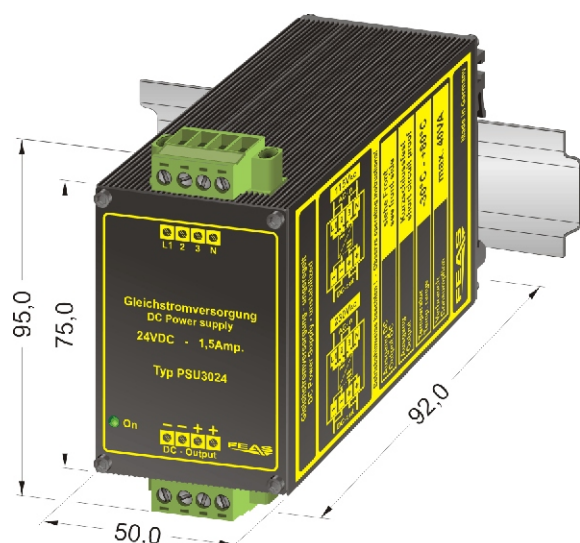


DC power supply unregulated type PSU30

Technical data



CE - compliant

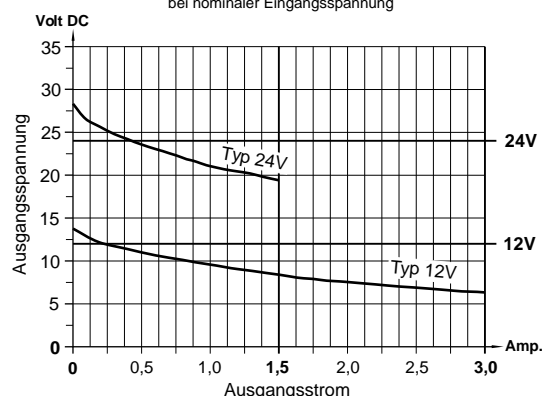
- Output separated according to VDE0551
- Extra low safety potential
PELV (EN 60204), SELV (EN 60950)
- Overload- and open-circuit protected,
short circuit proof
- Parallel connection possible
- No reverse voltage protection at the output
- Suitable for the tropics - Epoxy resin casted
- Operating status shown by LED
- Safety acc. to VDE, EN, UL and CSA

Input data	
Input voltage AC	115 V _{AC} / 230 V _{AC} (45-66 Hz)
Input voltage tolerance	-15% to +15%
Input current at nominal load	at 115 V _{AC} max. 0,34 A / at 230 V _{AC} max. 0,17 A
Input current peak	-
Protective circuit	-
Hold-up time	20 ms typical
Output data	
Output voltage U _{nominal}	see table as below
Output current I _{nominal}	see table as below
Current limiting	-
Residual ripple (100Hz)	< 3%
Control data	
Control deviation load	-
Control deviation supply	-
Control time	-
Operating data	
Duty circle	100%
Operating temperature range	-30°C to +80°C
Derating	from 40°C
Storage temperature range	-30°C to +105°C
Cooling	selfcooling recommended respective distance 15 mm each
Safety devices	
Input fuse	at 115V _{AC} 0,50 A delayed / at 230V _{AC} 0,25 A delayed
Output fuse	not necessary, short circuit proof
Overload protection	integrated into device
MTBF	>380.000 h
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	< K acc. to VDE 0875 and VDE 0877
Protection class	class 2 acc. to VDE0140-1 (EN 61140)
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
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, EN61558-2-17,EN50178,EN50204, 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
Mechanical data	
Mounting	On rails according to DIN 46277 or wall mounting with screws

Type	PSU3012	PSU3024
Order number	582669	582668
Nominal output voltage	12 V _{DC}	24 V _{DC}
Range of adjustment	-	-
Nominal output current	3,0 A	1,5 A
Power	36 Watt	36 Watt
Efficiency	92%	92%
Dimensions (W x H x D)	50x95x92	50x95x92
Weight	ca. 1,00 kg	ca. 1,00 kg

Laststromdiagramm

bei nominaler Eingangsspannung



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