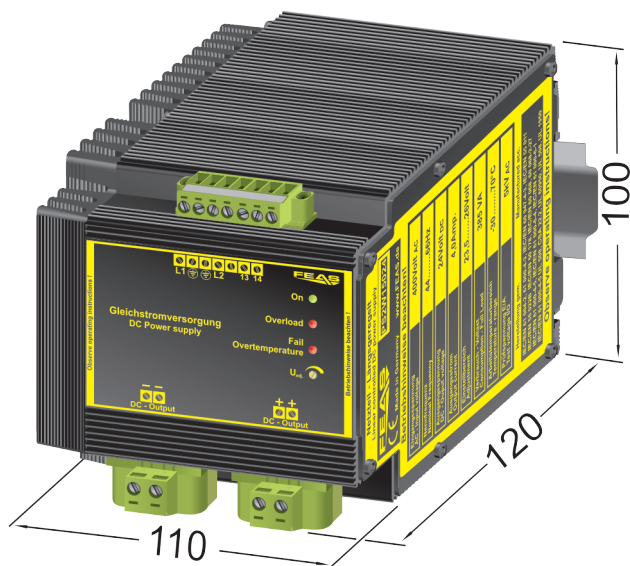


# Data sheet

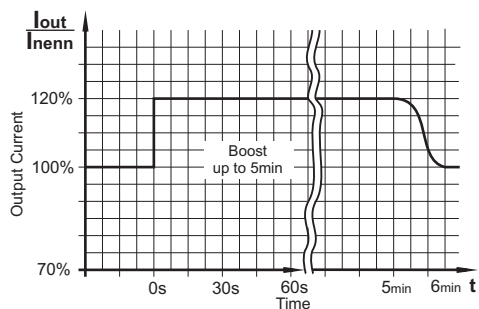
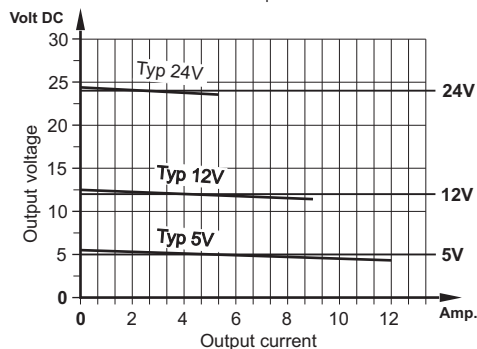
## Power supply linear regulated: PS2W15024

### Technical data



CE - konform

**Load current diagram**  
at nominal input



### Products of the series:

Type	PS2W15005	PS2W15012	PS2W15024
Order number	58706	58713	58725
Output voltage	5VDC	12VDC	24VDC
Output current	10,0A	6,0A	4,0A

### General data

Typ	PS2W15024
FEAS Order number	58725
Product description	Power supply linear regulated
Product function	DC Power supply

### Input data

AC input voltage	400 V <sub>ac</sub>
frequency	45 - 66Hz
Input voltage tolerance	-10% bis +10%
Input current at nominal load	at 400 V <sub>ac</sub> max. 0.50A
Consumption	max. 385VA

### Output data

Output voltage U <sub>nominal</sub>	24V <sub>DC</sub>
Range of adjustment	23.5 ..... 26.0 V <sub>DC</sub>
Output current I <sub>nominal</sub>	max. 4,0A
Current limitig	approx. 1.5 x I <sub>nominal</sub>
Power	96 Watt
Residual ripple (100Hz)	< 30 mV

### Operation data

duty circle	100%
Efficiency	approx. 60%
Parallel connection	Yes
Operating temperature range	-40°C to +70°C
Storage temperature range	-40°C to +105°C
Temperature coefficient	< 500ppm / K
Derating	from 40°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 400.000h

### Safety devices

Fuse for input	at 400 V <sub>ac</sub> max. 1.0 A delayed
Fuse for output	not necessary - cont. short-circuit proof
Overload protection	integrated into the device
Hold up time	20 ms typ.

### Safety data

Test voltage transformer	5kV <sub>ac</sub> acc. to VDE0551
High voltage resistance	Input/Output 4.4kV <sub>ac</sub> accord. VDE0806/IEC380
Degree of EMI suppresion	< K acc. to VDE 0875 and VDE 0877
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

### Status & Signal

Status indicator	LED - Operating, Output, Overtemperature
Signals	Relay Overtemperature

### Applied construction regulations

according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0160/W2, VDE0806
IEC	IEC380, IEC60950, IEC61000-6-1-2
EN	EN60950-1, EN50082-1, EN61000-6-1-2, EN 50178 EN50204, EN61558-2-17, EN20204, EN 60068 EN45501, En50021
CSA/UL	CSA-C 22.2 / UI60950, UI508, UL1950

### Mechanical data

Mounting	on DIN rails or wall mounting with screws
Dimensions (W x H x D)	110mm x 100mm x 120mm
Weight	approx. 3.2kg

### Notes / Comments



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