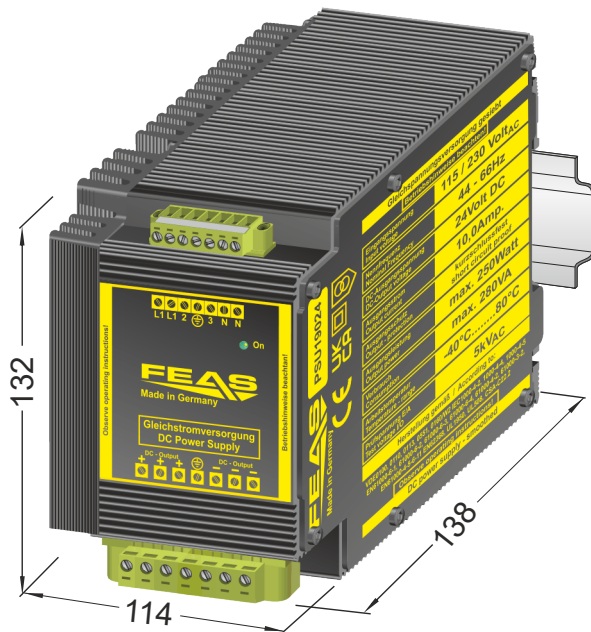


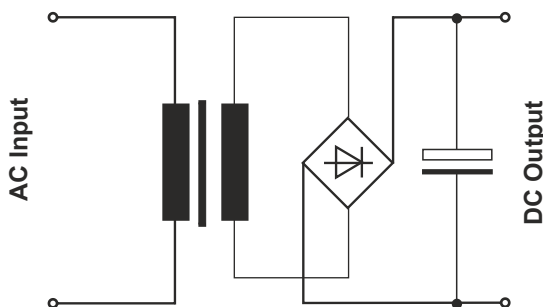
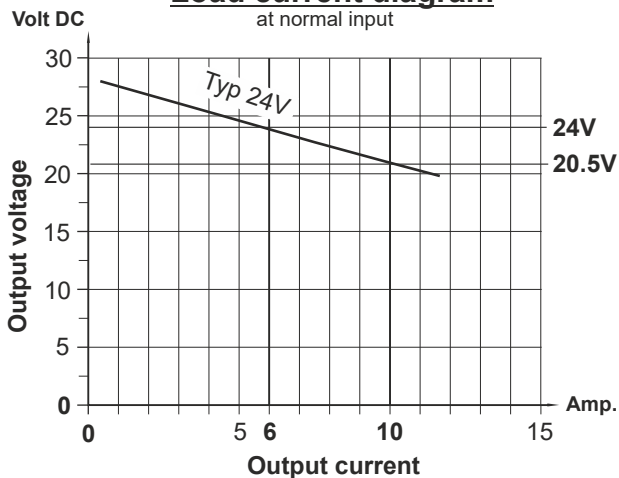
Data sheet

Power supply screened/smoothed: PSU19024

Technical data



Load current diagram
at normal input



General data	
Typ	PSU19024
FEAS Order number	585533
Product description	Power supply screened/smoothed
Product function	DC Power supply
Input data	
AC input voltage	115 / 230V _{AC}
frequency	44 - 66Hz
Input voltage tolerance	-10% bis +10%
Input current at nominal load	at 115VAC max. 1.6A / at 230VAC max. 0.9 Amp.
Consumption	max. 280VA
Output data	
Output voltage U _{nominal}	24V _{DC}
Range of adjustment	---
Output current I _{nominal}	10,0A
Current limitig	---
Power	250 Watt
Residual ripple (100Hz)	< 3%
Operation data	
duty circle	100%
Efficiency	approx. 90%
Parallel connection	Yes
Operating temperature range	-40°C to +80°C
Storage temperature range	-40°C to +105°C
Temperature coefficient	< 500ppm / K
Derating	from 50°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 400.000h
Safety devices	
Fuse for input	for 115VAC 3.4 Amp. / for 230VAC 1.6A, 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 _{AC} acc. to VDE0551
High voltage resistance	Input/Output 4,4kV _{AC} accord. VDE0806/IEC380
Degree of EMI suppresion	< K acc. to VDE 0875 and VDE 0877
Protection class	Class 1 with PE-Connection (EN 62368)
Extra low safety potential	PELV (EN60204), SELV (EN 62368)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP 68
Protective class terminals	IP 20 (BGV A3)
Vibration proof	>30g at 33Hz in X, Y and Z acc. to IEC 60068-2-27
Status & Signal	
Status indicator	LED Operating
Signals	-
Applied construction regulations	
according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0160/W2, VDE0806
IEC	IEC380, IEC623680, IEC61000-6-1-2
EN	EN62368, EN50082-1, EN61000-6-1-2, EN 50178 EN50204, EN61558-2-17, EN20204, EN 60068 EN45501, En50021
CSA/UL	CSA-C 22.2 / UI62368, UI508, UL1950
Mechanical data	
Mounting	on DIN rails or wall mounting with screws
Dimensions (W x H x D)	114mm x 132mm x 138mm
Weight	approx. 5,25kg
Notes / Comments	



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