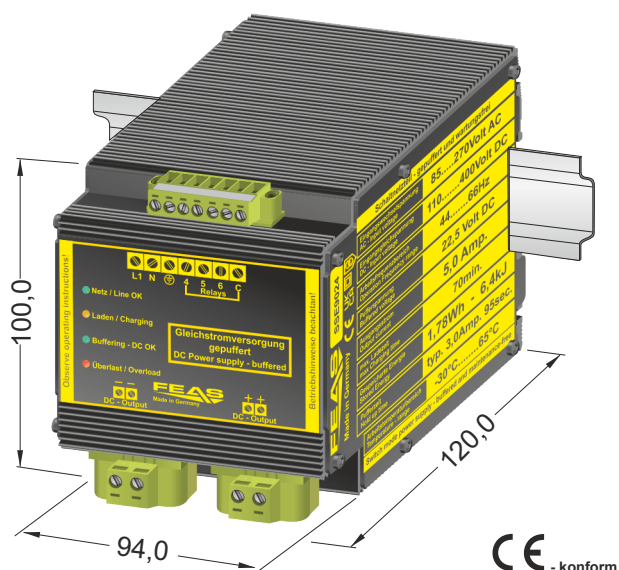


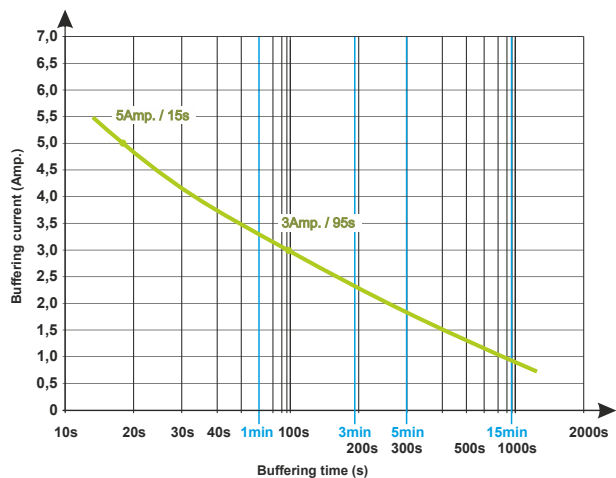
# Data sheet

## Buffered switch mode power supply: SSE9024

### Technical data



Buffering time



#### Products of the series:

Typ	SSE9012	SSE9024
Order number	621290	622490
Output voltage	12 V <sub>DC</sub>	24 V <sub>DC</sub>
Buffered voltage	11.0 V <sub>DC</sub>	22.5 V <sub>DC</sub>
Output current	8.0A	5.0A
Buffered time	typ. 1A 110 s	typ. 3A 95 s

#### General data

Type	SSE9024
FEAS Order number	622490
Product description	Buffered switch mode power supply
Product function	DC power supply with buffering

#### Input data

AC input voltage	85 - 270V <sub>AC</sub> (44-66Hz)
DC input voltage	110 - 400V <sub>DC</sub>
Input current at nominal load	at 115V <sub>AC</sub> max. 1.5A / at 230V <sub>AC</sub> max. 0.75A
Input current peak	< 22 A at 270V <sub>AC</sub>
Protective circuit	Transient voltage suppressor

#### Output data

Output voltage U <sub>Nominal</sub>	24 V <sub>DC</sub>
Buffered voltage	22.5 V <sub>DC</sub>
Output current I <sub>Nominal</sub>	5.0A (boost max. 6.0 Amp.)
Current limiting/	1.2 x I <sub>Nominal</sub>
Power	120 Watt
Residual ripple (20MHz Bandwidth)	<50mV <sub>rms</sub>

#### Control data (line)

Control deviation (Load)	<0,5% with load variation 10 ..... 90%
Control deviation (Supply)	<0,5% with load variation ±10%
Control time	<1s with load variation 10 ..... 90%

#### Operating data

Duty circle	100%
Stored energy	max. 1,78Wh - 6,4kJ
Charging time (buffer)	max. 70 min.
Buffering Time	typ. 3.0Amp. 95sec, 5.0 Amp. 15sec.
Efficiency	approx. 91%
Parallel connection	Yes
Operating temperature range	-30°C to +65°C
Storage temperature range	-40°C to +80°C
Derating	from 50°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 380.000h

#### Safety devices

Fuse for input	at 115V <sub>AC</sub> 5.0A delayed / at 230V <sub>AC</sub> 2.5A delayed
Fuse for output	not necessary - short circuit proof
Overload protection	integrated into device

#### Safety data

Test voltage transformer	5kV <sub>AC</sub> according to VDE0551
High voltage resistance	Input/Output 4,4kV <sub>AC</sub> according to VDE0806/IEC380
Degree of EMI suppresion	according to VDE0871B, EN55022/B
Protection class	Protection class I with PE-Connection (EN62368)
Extra low safety potential	PELV (EN60204), SELV (EN62368)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP68
Protective class terminals	IP20 (BGV A3)
Vibration proof	>30g at 33Hz in X, Y and Z acc. IEC68 and DIN41640

#### Status & Signal

Status indicator (LEDs)	Line OK, Charging, Buffering, Overload/Overtemp.
Signals (relais)	DC OK, Cut off warning, overload/ overtemperature

#### Applied construction regulations

according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0160/W2, VDE0806
IEC	IEC62368-1, IEC61000-6-1-2-3-4, IEC60068-2-3, IEC60068-2-11-52, IEC60529, IEC380
EN	EN62368, 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, EN6068-2-1-2-3-6-27-30, EN45501, EN50021, EN61558-2-17, EN50178
CSA/UL	CSA-C 22.2 / UI62368, UI508, UL1950

#### Mechanical data

Mounting	on Rails according to DIN 46277
Dimensions (W x H x D)	94mm x 100mm x 120mm
Weight	approx. 2,1kg



Postfach 1521  
D - 22905 Ahrensburg

Phone: +49 4102 42082  
Fax: +49 4102 40930

E-Mail: sales@feas.com  
Internet: www.feas.com