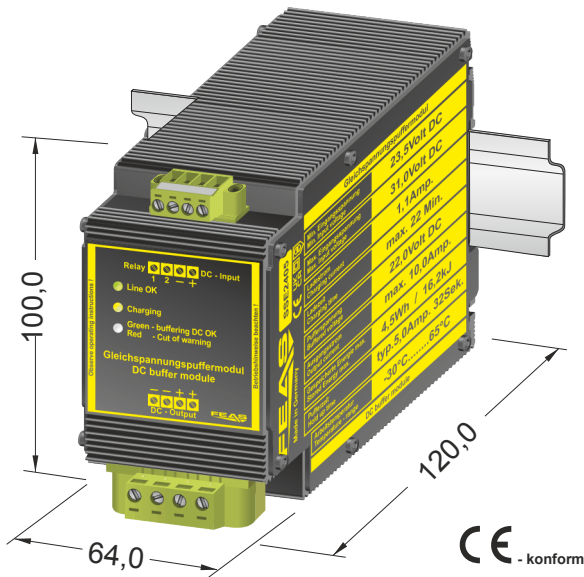


# Data sheet

## Buffer modul: SSE2405

### Technical data



General data	
Type	SSE2405
FEAS Order number	622405
Product description	Buffer modul
Product function	DC power supply

Input data	
Min. input voltage $U_{in, Min}$	23.5 V <sub>DC</sub> (min. $U_{BUFF} + 1.0V$ )
Max. input voltage $U_{in, Max}$	31.0 V <sub>DC</sub>
Charging current	1.1 A
Charging time (buffer)	max. 22min
Protective circuit	Transient voltage suppressor Varistor

Output data	
Buffered voltage $U_{nominal}$	24 V <sub>DC</sub>
Buffered voltage $U_{BUFF}$	22.0 V <sub>DC</sub>
Output current $I_{nominal}$	10.0 A
Residual ripple (20MHz)	<50mV <sub>rms</sub>

Control data	
Control deviation load	<100mV with load variation 10 ..... 90%
Control deviation supply	-
Control time	<10ms with load variation 10 ..... 90%

Operating data	
Duty circle (ED)	100% (continuous operation)
Stored energy	4.5 Wh / 16.2 kJ
Buffering-time	typ. 5.0A - 32s (see graph on the left)
Efficiency	ca. 97% (grid operation)
Parallel connection	Yes
Operating temperature range	-30°C to +65°C
Derating	from 50°C
Storage temperature range	-40°C to +80°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 380.000h

Safety devices	
Fuse for input	not necessary
Fuse for output	not necessary - short circuit proof
Overload protection	integrated into device

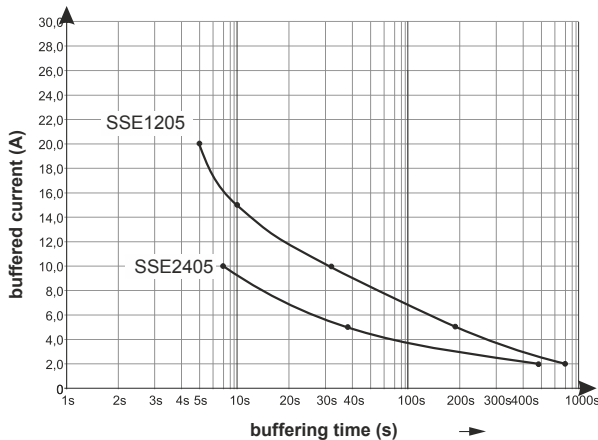
Safety data	
Test voltage transformer	-
High voltage resistance	-
Degree of EMI suppression	according VDE0871B, EN55022/B
Protection class	Class II
Extra low safety potential	PELV (EN60204), SELV (EN62368)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP65
Protective class terminals	IP20 (BGV A3)
Vibration proof	>30g at 33Hz in X, Y and Z acc. IEC68 and DIN41640

Status & Signal	
Status indicator	LED - Operation, Charging, Buffer-mode
Signals	Relay - Line-In
Interfaces	-

Applied construction regulations	
according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0806
IEC	IEC62368-1, IEC61000-6-1-2-3-4, IEC60068-2-3, IEC60068-2-11-52, IEC60529
EN	EN60950-1, EN61140, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN55022, EN55011, EN61000-3-2, EN61000-3-3, EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11, EN60068-1, EN60668-2-1, EN61558-2-17, EN61010-1
CSA/UL	CSA-C 22.2 / UL62368, UL508, UL1950

Mechanical data	
Mounting	on Rails (DIN 46277) or wall mounting with screws
Dimensions (W x H x D)	64mm x 100mm x 120mm
Weight	approx. 1.4kg

Buffering times in comparison



### Products of the series:

Type	SSE1205	SSE2405
Order number	621205	622405
Stored energy	4,5 Wh 16.2 kJ	4,5 Wh 16.2 kJ
Buffered voltage	11.0 V <sub>DC</sub>	22.0 V <sub>DC</sub>
Output current	20.0 A	10.0 A
Charging-current	1,5 A	1,1 A
Buffered time (typ. $U_{nom.}$ )	33s typ. 10.0 A	32 s typ. 5.0 A



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