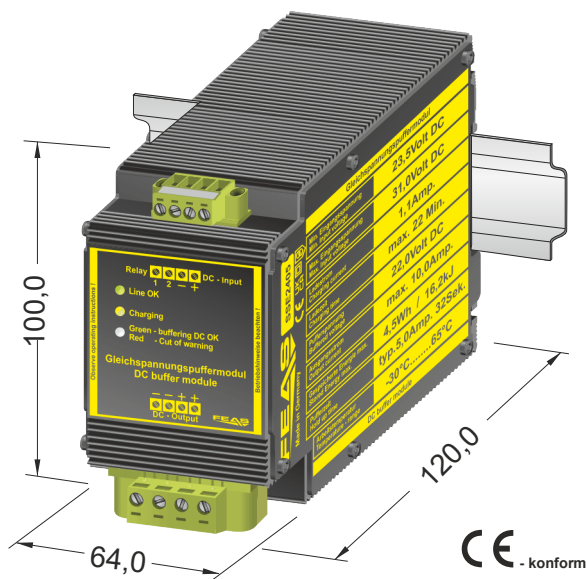


# Data sheet

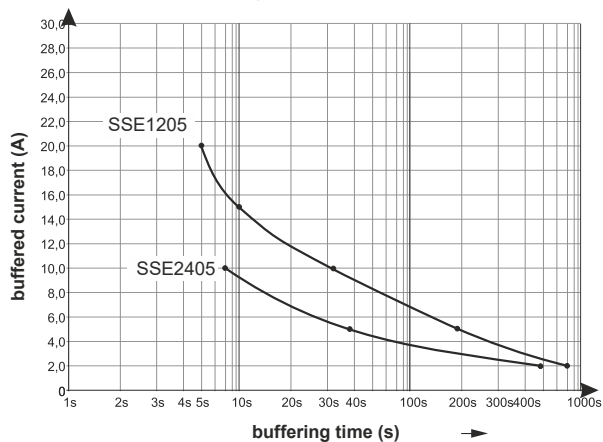
## Buffer module: SSE2405



### Technical data

General data	
Type	SSE2405
FEAS Order number	622405
Product description	Buffer module
Product function	DC power supply
Input data	
Min. input voltage $U_{in \text{ Min}}$	23.5 V <sub>DC</sub> ( $U_{in \text{ Min}} = 1,0V + U_{\text{BUFF}}$ )
Max. input voltage $U_{in \text{ Max}}$	31.0 V <sub>DC</sub>
Charging current	1.1 A
Charging time (buffer)	max. 22min
Protective circuit	Transient voltage suppressor
Output data	
Output voltage $U_{\text{BUFF}}$	24.0 V <sub>DC</sub>
Buffered voltage $U_{\text{BUFF}}$	22.0 V <sub>DC</sub>
Output current $I_{\text{nominal}}$	max. 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 required
Fuse for output	required, in the amount of the max. load current (max. 10A)
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, EN6068-2-1, 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 (max.)	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	max. 20.0 A	max. 10.0 A
Charging-current	1,5 A	1,1 A
Buffered time (typ. $U_{\text{nom}}$ )	typ. 10.0 A 33s	typ. 5.0 A 32 s



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