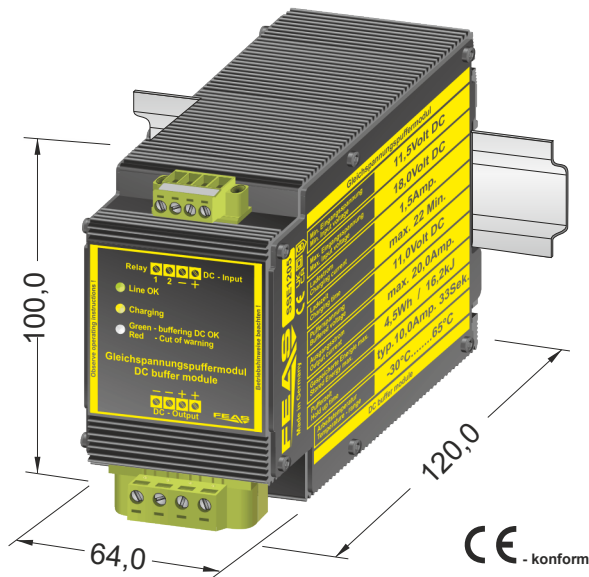


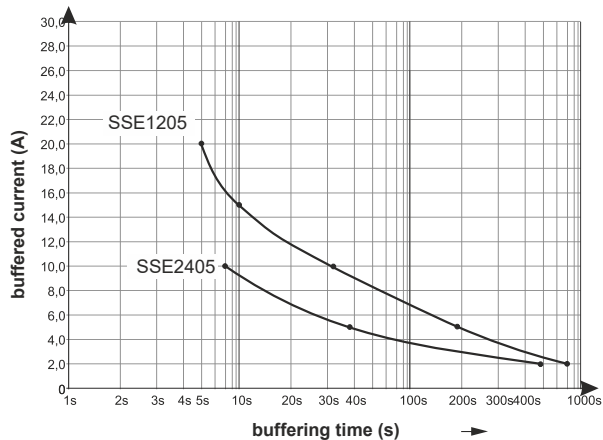
Data sheet

Buffer module: SSE1205

Technical data



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 _{DC}	22.0 V _{DC}
Output current	max. 20.0 A	max. 10.0 A
Charging-current	1,5 A	1,1 A
Buffered time (typ. U _{nom.})	typ. 10.0 A 33s	typ. 5.0 A 32 s

General data

Type	SSE1205
FEAS Order number	621205
Product description	Buffer module
Product function	DC power supply

Input data

Min. input voltage U _{in Min}	11.5 V _{DC} (U _{IN MIN} =1,0V+U _{BUFF})
Max. input voltage U _{in Max}	18.0 V _{DC}
Charging current	1.5 A
Charging time (buffer)	max. 22min
Protective circuit	Transient voltage suppressor

Output data

Output voltage U _{nominal}	12.0 V _{DC}
Buffered voltage U _{BUFF}	11.0 V _{DC}
Output current I _{nominal}	max. 20.0 A
Residual ripple (20MHz)	<50mV _{rms}

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. 2.0A - 75s (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.20A)
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	EN62368-1, 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



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