SIEMENS

Data sheet   **6EP1566-3AA00**

SITOP PSE400M/Voltage rise limiter

SITOP PSE400M SAB Ballast for 6EP1536-3AA00 Input: 300 to 900 V DC Output: 300 to 900 V DC

input	
type of the power supply network	DC voltage
supply voltage at DC	600 ... 600 V
input voltage at DC	200 ... 900 V
input current at DC	
● at rated input voltage 600 V	0.85 A
fuse protection type	3 A/1 kV DC (internal fuse, not accessible)
fuse protection type in the feeder	yes, switch-off capacity 20 kA; L/R < 2 ms ("+" and "-" input)

output	
voltage curve at output	Corresponding to the DC input voltage
number of outputs	1
output voltage at DC rated value	600 V
output voltage	
● at output 1 at DC rated value	600 V
output current	
● rated value	0.85 A
● maximum rated value	2.8 A
● rated range	2.8 A
supplied active power typical	505 W
short-term overload current	
● on short-circuiting during the start-up typical	3 A

efficiency	
efficiency in percent	99.5 %
power loss [W]	
● at rated output voltage for rated value of the output current typical	1.5 W

safety	
operating resource protection class	Class I
protection class IP	IP20

EMC	
standard	
● for emitted interference	Class A (also conducted) with PSU400M
● for interference immunity	EN 61000-6-2 with PSU400M

standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	No
● CSA approval	No; -
● EAC approval	Yes
● NEC Class 2	No

10/2/2024

type of certification	
● CB-certificate	Yes
MTBF at 40 °C	1 240 810 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
● IECEx	No
● ATEX	No
● ULhazloc approval	No
● cCSAus, Class 1, Division 2	No
● FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	No
● French marine classification society (BV)	No
● Det Norske Veritas (DNV)	No
● Lloyds Register of Shipping (LRS)	No
ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °C
● during transport	-40 ... +85 °C
● during storage	-40 ... +85 °C
ambient condition relating to ambient temperature - air pressure - installation altitude	< 2000 m
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
connection method	
type of electrical connection	screw terminal
● at input	DC input, +, -, PE: 1 screw terminal each for 0.2 ... 6/4 mm² single-core/finely stranded
● at output	DC input +, -, PE: 1 screw terminal for 0.2 ... 6/4 mm² single-core/finely stranded
mechanical data	
width × height × depth of the enclosure	70 × 125 × 120 mm
installation width × mounting height	70 mm × 129 mm
required spacing	
● top	50 mm
● bottom	50 mm
fastening method	
● standard rail mounting	Yes
net weight	0.515 kg
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Industrial communication	https://siemens.com/industrial-communication
● to website: CAx-Download-Manager	https://siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

10/2/2024

Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval

CB

CB

[Manufacturer Declaration](#) [Declaration of Conformity](#)

---

last modified: 6/26/2024

10/2/2024