# SIEMENS

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 |

1/12/2025

| 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 |
| ● during transport | -40 ... +85 |
| ● during storage | -40 ... +85 |
| 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 web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to web page: power supplies | https://siemens.com/sitop |
| ● 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 |

## 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:**   11/25/2024

1/12/2025