



SITOP PSU3400/DC/DC/12V/24V/4A

SITOP PSU3400 24 V/4 A Stabilized power supply Input: DC 12 V (9...18 V)  
Output: DC 24 V/4 A

Technical Product Detail Page

<https://i.siemens.com/1P6EP3133-0TA10-0AY0>

input	
type of the power supply network	DC voltage
supply voltage at DC	12 ... 12 V
input voltage at DC	9 ... 18 V
wide range input	No
overvoltage overload capability	-
buffering time for rated value of the output current in the event of power failure minimum	2 ms
operating condition of the mains buffering	at Vin = 12 V
input current	
• at rated input voltage 24 V	9 A
current limitation of inrush current at 25 °C maximum	15 A
I2t value maximum	0.08 A²·s
fuse protection type	25 A (not accessible), breaking capacity 300 A
fuse protection type in the feeder	Recommended miniature circuit breaker: 16 A characteristic B or C
output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
output voltage	
• at output 1 at DC rated value	24 V
output voltage adjustable	Yes; via potentiometer
adjustable output voltage	24 ... 28 V
relative overall tolerance of the voltage	2 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.1 %
• on slow fluctuation of ohm loading	0.6 %
residual ripple	
• maximum	150 mV
• typical	20 mV
voltage peak	
• maximum	250 mV
• typical	40 mV
display version for normal operation	Green LED for 24 V OK
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	0.5 s
voltage increase time of the output voltage	
• typical	10 ms
• maximum	20 ms

output current	
• rated value	4 A
• rated range	0 ... 4 A; +60 ... +70 °C: Derating 2%/K
supplied active power typical	108 W
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
<b>efficiency</b>	
efficiency in percent	89 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	12 W
• during no-load operation maximum	1.5 W
<b>closed-loop control</b>	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.3 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	2 %
setting time	
• load step 50 to 100% typical	1 ms
• load step 100 to 50% typical	1 ms
<b>protection and monitoring</b>	
design of the overvoltage protection	Ua < 35 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
• typical	4.5 A
display version for overload and short circuit	LED yellow for "overload"
<b>safety</b>	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1
operating resource protection class	Class III
protection class IP	IP20
<b>EMC</b>	
standard	
• for emitted interference	EN 61000-6-3
• for mains harmonics limitation	not applicable
• for interference immunity	EN 61000-6-2
<b>standards, specifications, approvals</b>	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
• EAC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
• NEC Class 2	No
type of certification	
• CB-certificate	Yes
MTBF at 40 °C	1 868 914 h
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
• IECEx	No
• ATEX	No
• ULhazloc approval	No
• FM registration	No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	No
• Det Norske Veritas (DNV)	Yes

<ul style="list-style-type: none"><li>• Lloyds Register of Shipping (LRS)</li></ul>	No		
ambient conditions			
ambient temperature			
<ul style="list-style-type: none"><li>• during operation</li></ul>		-25 ... +70 °C; with natural convection	
<ul style="list-style-type: none"><li>• during transport</li></ul>		-40 ... +85 °C	
<ul style="list-style-type: none"><li>• during storage</li></ul>		-40 ... +85 °C	
environmental category according to IEC 60721		Climate class 3K3, 5 ... 95% no condensation	
connection method			
type of electrical connection		screw terminal	
<ul style="list-style-type: none"><li>• at input</li></ul>		L, N, FE: 1 screw terminal each for 0.5 ... 2.5 mm² single-core/finely stranded	
<ul style="list-style-type: none"><li>• at output</li></ul>		+, -: 2 screw terminals each for 0.5 ... 2.5 mm²	
mechanical data			
width × height × depth of the enclosure		32 × 100 × 100 mm	
installation width × mounting height		32 mm × 200 mm	
required spacing			
<ul style="list-style-type: none"><li>• top</li></ul>		50 mm	
<ul style="list-style-type: none"><li>• bottom</li></ul>		50 mm	
<ul style="list-style-type: none"><li>• left</li></ul>		0 mm	
<ul style="list-style-type: none"><li>• right</li></ul>		0 mm	
fastening method		Snaps onto DIN rail EN 60715 35x7.5/15	
<ul style="list-style-type: none"><li>• DIN-rail mounting</li></ul>		Yes	
<ul style="list-style-type: none"><li>• S7 rail mounting</li></ul>		No	
<ul style="list-style-type: none"><li>• wall mounting</li></ul>		No	
housing can be lined up		Yes	
net weight		0.32 kg	
accessories			
electrical accessories		Buffer module	
further information internet links			
internet link			
<ul style="list-style-type: none"><li>• to website: Industry Mall</li></ul>		<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>	
<ul style="list-style-type: none"><li>• to web page: selection aid TIA Selection Tool</li></ul>		<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>	
<ul style="list-style-type: none"><li>• to web page: power supplies</li></ul>		<a href="https://siemens.com/sitop">https://siemens.com/sitop</a>	
<ul style="list-style-type: none"><li>• to website: CAX-Download-Manager</li></ul>		<a href="https://siemens.com/cax">https://siemens.com/cax</a>	
<ul style="list-style-type: none"><li>• to website: Industry Online Support</li></ul>		<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>	
additional information			
other information		Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	
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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)	
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	10	EC002540
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval

[Manufacturer Declaration](#)

[Declaration of Conformity](#)

  
EG-Konf.

[China RoHS](#)

  
UL

  
RCM

Maritime application



last modified:

11/14/2025 