

SITOP PSU300P/3AC/24VDC/8A/IP67

\*\*\*\*\* spare part \*\*\*\*\* SITOP PSU300P 8 A stabilized power supply in degree of protection IP67 input: 400-480 V 3 AC output: 24 V DC/8 A

input	
type of the power supply network	3-phase AC
supply voltage at AC	
• minimum rated value	400 V
• maximum rated value	480 V
• initial value	340 V
• full-scale value	550 V
supply voltage at AC	320 ... 340 V for max. 1 min
wide range input	Yes
overvoltage overload capability	Implemented internally with varistors
buffering time for rated value of the output current in the event of power failure minimum	15 ms
operating condition of the mains buffering	at $V_{in} = 400\text{ V}$
line frequency	50/60 Hz
line frequency	45 ... 66 Hz
input current	
• at rated input voltage 400 V	0.5 A
current limitation of inrush current at 25 °C maximum	40 A
I <sup>2</sup> t value maximum	3.5 A <sup>2</sup> ·s
fuse protection type	T 4 A
fuse protection type in the feeder	Required: Circuit breaker 3RV2011-1DA10 or 3RV2711-1DD10 (UL 489)
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	No; -
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.5 %
• on slow fluctuation of ohm loading	0.5 %
residual ripple	
• maximum	200 mV
voltage peak	
• maximum	250 mV
display version for normal operation	Green LED for 24 V OK
type of signal at output	max. 30 V, 10 mA; Power-Good (High-Pegel 1L+ for $V_{out}$ in range 21.3 ... 29 V); Overtemperature warning at least 30 s before switch-off (high level 1L+ when the max. internal temperature is exceeded)
behavior of the output voltage when switching on	Overshoot of $V_{out} < 2\%$
response delay maximum	1.5 s
voltage increase time of the output voltage	
• typical	40 ms
output current	
• rated value	8 A
• rated range	0 ... 8 A
supplied active power typical	192 W
short-term overload current	
• on short-circuiting during the start-up typical	50 A

<ul style="list-style-type: none"> <li>• at short-circuit during operation typical</li> </ul>	50 A
duration of overloading capability for excess current	
<ul style="list-style-type: none"> <li>• on short-circuiting during the start-up</li> </ul>	100 ms
<ul style="list-style-type: none"> <li>• at short-circuit during operation</li> </ul>	100 ms
bridging of equipment	No
<b>efficiency</b>	
efficiency in percent	88 %
power loss [W]	
<ul style="list-style-type: none"> <li>• at rated output voltage for rated value of the output current typical</li> </ul>	25 W
<b>closed-loop control</b>	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.5 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	1 %
setting time	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	2 ms
<b>protection and monitoring</b>	
design of the overvoltage protection	< 33 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
<ul style="list-style-type: none"> <li>• typical</li> </ul>	9.4 A
enduring short circuit current RMS value	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	10 A
<b>safety</b>	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra-low output voltage U <sub>out</sub> acc. to EN 60950-1 and EN 50178
operating resource protection class	Class I
leakage current	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	3.5 mA
<ul style="list-style-type: none"> <li>• typical</li> </ul>	0.4 mA
protection class IP	IP67, enclosure type 5 indoor
<b>EMC</b>	
standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>	EN 55022 Class A
<ul style="list-style-type: none"> <li>• for mains harmonics limitation</li> </ul>	-
<ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>	EN 61000-6-2
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• UL approval</li> </ul>	Yes; UL-Listed (UL 508) according to NFPA compatibility (National Fire Protection Association), see operating instructions
<ul style="list-style-type: none"> <li>• EAC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• NEC Class 2</li> </ul>	No
type of certification	
<ul style="list-style-type: none"> <li>• CB-certificate</li> </ul>	Yes
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No
<ul style="list-style-type: none"> <li>• ATEX</li> </ul>	No
<ul style="list-style-type: none"> <li>• ULhazloc approval</li> </ul>	No
<ul style="list-style-type: none"> <li>• FM registration</li> </ul>	No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	No
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• French marine classification society (BV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Det Norske Veritas (DNV)</li> </ul>	No
<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> <li>during transport</li> <li>during storage</li> </ul>	-25 ... +55 °C; with natural convection -40 ... +70 °C -40 ... +70 °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> <li>at output</li> <li>for auxiliary contacts</li> </ul>	L1, L2, L3, PE: Plug connector HAN Q4/2 (counterpart see "Electrical accessories") L+, M: 1 x 2 mm <sup>2</sup> each (2-pole cable for +/- with open, labeled ends, 2 x 2 mm <sup>2</sup> ) Alarm signals: M12 plug-in connector 5-pin

mechanical data	
width × height × depth of the enclosure	310 × 135 × 90 mm
fastening method	Can be mounted onto ET200pro mounting rail
<ul style="list-style-type: none"> <li>DIN-rail mounting</li> <li>S7 rail mounting</li> <li>wall mounting</li> </ul>	No No Yes
housing can be lined up	No
net weight	2.8 kg

accessories	
electrical accessories	Power connector (3RK1911-2BE50 (2.5mm <sup>2</sup> ))

further information internet links	
internet link	
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://siemens.com/cax">https://siemens.com/cax</a> <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	<p>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="https://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)</p>

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](#)



[China RoHS](#)



last modified:

3/26/2026