## **SIEMENS**

## **Data sheet**



## SITOP PSU8600/3AC/24VDC/40A PN

SITOP PSU8600 3AC 40 A PN stabilized power supply input: 400-500 V 3 AC output: 24 V DC/40 A with PN/IE connection web server integrated OPC UA server integrated \*Ex approval no longer available\*

Input	
type of the power supply network	3-phase AC
supply voltage at AC	
<ul> <li>minimum rated value</li> </ul>	400 V
maximum rated value	500 V
initial value	320 V; Derating 320 360 and 530 575 V
• full-scale value	575 V
design of input wide range input	Yes
operating condition of the mains buffering	at Vin = 400 V; Prioritized supply to the output on power failure via DIP switch can be selected (only with expansion module CNX8600)
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 Vin = 400 V; Prioritized supply to the output on power failure via DIP switch can be selected (only with expansion module CNX8600)
line frequency	
1 rated value	50 Hz
2 rated value	60 Hz
line frequency	47 63 Hz
input current	
<ul> <li>at rated input voltage 400 V</li> </ul>	2.75 A
<ul> <li>at rated input voltage 500 V</li> </ul>	2.2 A
current limitation of inrush current at 25 °C maximum	14 A
I2t value maximum	2.24 A²·s
fuse protection type	none
• in the feeder	Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489)
Output	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	1
output voltage at DC rated value	24 V
output voltage	
at output 1 at DC rated value	24 V
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
on slow fluctuation of input voltage	0.2 %
on slow fluctuation of ohm loading	0.1 %
residual ripple	
• maximum	100 mV
voltage peak	
maximum	200 mV

4 20 1/
4 28 V
Yes via potentiometer or IE/PN interface; Derating > 24 V: 4%/V; max. 960
W overall system
3-color LED for operating state device; LED for operating mode manual/remote; 4 LEDs for communication PROFINET; 3-color LED for operating state output
Relay contact (changeover contact, contact current capacity DC 60 V/0.3 A) for "Operating state OK"
No overshoot of Vout (soft start)
1 s
Simultaneous connecting-in of all outputs after device booting or delay time of 25 ms, 100 ms or "load-optimized" for sequential cutting-in of the outputs via DIP switches can be set (only with expansion module CNX8600)
500 ms
40 A
40 A
40 A
0 40 A; +50 +60 °C: Derating 2.5%/K; no derating in connection with expansion module CNX8600 and total load of the outputs at the basic device max. 480 W
960 W
120 A; only in operation without CNX8600 extension module
25 ms
Yes; suitable output characteristics via DIP switch can be selected
2
93 %
72 W
20 W
0.1 %
0.4 %
0.4 %
0.4 % 10 ms
10 ms
10 ms max. 35 V (max. 500 ms)
max. 35 V (max. 500 ms) Yes Electronic overload shutdown; optional constant-current operation can
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max. 35 V (max. 500 ms)  Yes  Electronic overload shutdown; optional constant-current operation can be selected via DIP switch  4 40 A  via potentiometer or IE/PN interface  la >1.0<1.5 x la threshold permissible for 5 s; la limit (= 1.5 x la threshold) permissible for 200 ms  la limit (= 1.5 x la threshold) permissible for 5 s, afterwards la threshold continuous  via sensor or IE/PN interface
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File E197259;
File E197259;
ection each for 0.2
0.2 4 mm²; 0 V:
gnal) with 1
vith Reset) with 1



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design of the interface for communication	PROFINET/Ethernet: two RJ45 sockets (2-port switch)
suitability for interaction modular system	Yes
width of the enclosure	125 mm
height of the enclosure	125 mm
depth of the enclosure	150 mm
required spacing	
• top	50 mm
<ul><li>bottom</li></ul>	50 mm
• left	0 mm
• right	0 mm
net weight	2.6 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x15
electrical accessories	Expansion modules CNX8600, buffer modules BUF8600, module UPS8600
mechanical accessories	Device identification label 20 mm × 7 mm, Tl-grey 3RT2900-1SB20
MTBF at 40 °C	235 118 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

