## **SIEMENS**

## **Data sheet**



SITOP PSU2600/1ACDC/24VDC/20A

SITOP PSU2600 24 V/20 A Stabilized power supply input: 3 AC 400-500 V output: 24 V DC/20 A

00 V 00 V 40 V 75 V Yes It Vin = 400 V 5 ms It Vin = 400 V 0 Hz 0 Hz 7 63 Hz
100 V 140 V 175 V 176 V 177 V 177 V 178 V 179 V 179 V 179 V 170 V
140 V 175 V 176 S 177 S 178 S 189 S 180 S
775 V Yes tt Vin = 400 V 5 ms tt Vin = 400 V 0 Hz 0 Hz 7 63 Hz
Yes It Vin = 400 V  5 ms  It Vin = 400 V  0 Hz 0 Hz 7 63 Hz
t Vin = 400 V 5 ms  t Vin = 400 V  0 Hz 0 Hz 7 63 Hz
5 ms  t Vin = 400 V  0 Hz 0 Hz 7 63 Hz
t Vin = 400 V  0 Hz 0 Hz 7 63 Hz
0 Hz 0 Hz 7 63 Hz .2 A
0 Hz 7 63 Hz .2 A A
0 Hz 7 63 Hz .2 A A
.2 A A
.2 A A
A
A
6 Δ
VA
.8 A²·s
one
Required: 3-pole connected miniature circuit breaker 6 16 A characteristic C r circuit breaker 3RV2011-1DA10 (setting 3 A), 3RV2021-1HA (setting 8 A) or RV2711-1DD10 (UL 489)
Controlled, isolated DC voltage
4 V
4 V
%
%
.2 %
0 mV
00 mV
4 28.8 V
'es
ia potentiometer; max. 480 W
100 Recorded 100 R

dipplay varsion for parmal analytica	Cross I ED for 24 V OV
display version for normal operation	Green LED for 24 V OK
type of signal at output	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	2.5 s
voltage increase time of the output voltage	
maximum	500 ms
output current	
rated value	20 A
rated range	0 20 A; +60 °C
supplied active power typical	480 W
short-term overload current	
at short-circuit during operation typical	60 A
duration of overloading capability for excess current	
at short-circuit during operation	25 ms
constant overload current	
on short-circuiting during the start-up typical	23 A
product feature	
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
Efficiency	
efficiency in percent	93 %
power loss [W]	
at rated output voltage for rated value of the output current typical	36 W
during no-load operation maximum	4 W
Closed-loop control	
relative control precision of the output voltage with rapid	0.1 %
fluctuation of the input voltage by +/- 15% typical	•••
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	2 %
setting time	
<ul><li>load step 50 to 100% typical</li></ul>	0.2 ms
<ul><li>load step 100 to 50% typical</li></ul>	0.2 ms
relative control precision of the output voltage at load step of	3 %
resistive load 10/90/10 % typical	
setting time	
<ul><li>load step 10 to 90% typical</li></ul>	0.2 ms
<ul><li>load step 90 to 10% typical</li></ul>	0.2 ms
maximum	10 ms
Protection and monitoring	
design of the overvoltage protection	< 32 V
• typical	23 A
property of the output short-circuit proof	Yes
design of short-circuit protection	Constant current characteristic approx. 23 A
enduring short circuit current RMS value	
• typical	23 A
Safety	
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 I
leakage current	
maximum	3.5 mA
• typical	1.7 mA
protection class IP	IP20
Approvals	
certificate of suitability	
CE marking	Yes
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
• cCSAus, Class 1, Division 2	No
	No
• ATEX	

certificate of suitability	
• IECEx	No
NEC Class 2	No
<ul> <li>ULhazloc approval</li> </ul>	No
FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	
EAC approval	Yes
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
Marine classification association	
American Bureau of Shipping Europe Ltd. (ABS)	No
French marine classification society (BV)	No
• DNV GL	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
Nippon Kaiji Kyokai (NK)	No
EMC	
standard	
for emitted interference	EN 55022 Class B
for mains harmonics limitation	EN 61000-3-2
for interference immunity	EN 61000-6-2
environmental conditions	2.7.5.1000 0 2
ambient temperature	
during operation	0 60 °C; with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	ominate states of the serial floations
type of electrical connection	screw-type terminals
• at input	L1, L2, L3, PE: 1 screw terminal each for 0.2 4 mm² single-core/finely
• at input	stranded
• at output	+, -: 2 screw terminals each for 0.2 4 mm²
for auxiliary contacts	Signal and remote: 1 screw terminal each for 0.14 1.5 mm <sup>2</sup>
width of the enclosure	90 mm
height of the enclosure	125 mm
depth of the enclosure	125 mm
required spacing	
• top	50 mm
• bottom	50 mm
● left	0 mm
• right	0 mm
net weight	1.3 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

