6EP1334-2AA01-0AB0

Data sheet



SITOP SMART/1AC/24VDC/10A/WALL MOUNTING

SITOP smart 240 W Stabilized power supply input: 120/230 V AC, output: DC 24 V/10 A Option for for wall mounting

supply voltage at AC • initial value supply voltage • 1 at AC rated value • 2 at AC rated value 23	-phase AC let by means of selector switch on the device 20 V 30 V 5 132 V
initial value supply voltage 1 at AC rated value 2 at AC rated value 2 at AC rated value 2 at AC rated value 3 at AC rated value	20 V 30 V
supply voltage • 1 at AC rated value • 2 at AC rated value 23	20 V 30 V
1 at AC rated value2 at AC rated value23	30 V
• 2 at AC rated value 23	30 V
	5 132 V
input voltage	5 132 V
• 1 at AC 85	
• 2 at AC	70 264 V
design of input wide range input	lo
overvoltage overload capability 2.3	.3 × Vin rated, 1.3 ms
operating condition of the mains buffering at	t Vin = 93/187 V
buffering time for rated value of the output current in the event of power failure minimum 20	0 ms
operating condition of the mains buffering at	t Vin = 93/187 V
line frequency	
• 1 rated value 50	0 Hz
• 2 rated value 60	0 Hz
line frequency 47	7 63 Hz
input current	
• at rated input voltage 120 V 4.	.1 A
• at rated input voltage 230 V	.4 A
current limitation of inrush current at 25 °C maximum 65	5 A
duration of inrush current limiting at 25 °C	
• typical 3 r	ms
12t value maximum 3.3	.3 A ² ·s
fuse protection type	6.3 A/250 V (not accessible)
• in the feeder Re	decommended miniature circuit breaker: from 10 A characteristic C
Output	
voltage curve at output Co	Controlled, isolated DC voltage
output voltage at DC rated value 24	4 V
output voltage	
at output 1 at DC rated value 24	4 V
relative overall tolerance of the voltage 3 °C	%
relative control precision of the output voltage	
• on slow fluctuation of input voltage 0.	.1 %
• on slow fluctuation of ohm loading 0.5	.5 %
residual ripple	
• maximum 15	50 mV

typical	50 mV
voltage peak	00 1111
	240 mV
• maximum	
• typical	150 mV
adjustable output voltage	22.8 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer
display version for normal operation	Green LED for 24 V OK
behavior of the output voltage when switching on	Overshoot of Vout approx. 4 %
response delay maximum	0.1 s
voltage increase time of the output voltage	
• typical	50 ms
output current	
rated value	10 A
rated range	0 12 A; 12 A up to +45 °C
supplied active power typical	288 W
short-term overload current	
 on short-circuiting during the start-up typical 	30 A
at short-circuit during operation typical	33 A
duration of overloading capability for excess current	
 on short-circuiting during the start-up 	100 ms
at short-circuit during operation	200 ms
product feature	
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing	2
the power	
Efficiency	
efficiency in percent	90 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	27 W
Closed-loop control	
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	1 %
setting time	
● load step 50 to 100% typical	0.2 ms
● load step 100 to 50% typical	0.2 ms
Protection and monitoring	
design of the overvoltage protection	< 33 V
response value current limitation	12.5 13.5 A
property of the output short-circuit proof	Yes
design of short-circuit protection	Constant current characteristic
enduring short circuit current RMS value	
• typical	16 A
display version for overload and short circuit	-
Safety	
	Voc
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
operating resource protection class	Class I
leakage current	
• maximum	3.5 mA
• typical	0.8 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
ATEV	No
• ATEX	

certificate of suitability	
• IECEx	No
NEC Class 2	No
 ULhazloc approval 	No
FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	
EAC approval	Yes
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	DNV GL
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
DNV GL	Yes
 Lloyds Register of Shipping (LRS) 	No
 Nippon Kaiji Kyokai (NK) 	No
EMC	
standard	
• for emitted interference	EN 55022 Class B
 for mains harmonics limitation 	-
• for interference immunity	EN 61000-6-2
environmental conditions	
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	
type of electrical connection	screw-type terminals
• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely stranded
• at output	L+, M: 2 screw terminals each for 0.5 2.5 mm ²
for auxiliary contacts	-
width of the enclosure	70 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	0.85 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Wall mounting
MTBF at 40 °C	1 460 803 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

