

SITOP FLEXI 120 W

***** spare part ***** SITOP power FLEXI stabilized power supply input:
120/230 V AC output: 3-52 V DC/10 A, 120 W

input	
type of the power supply network	1-phase AC
supply voltage at AC	
• minimum rated value	120 V
• maximum rated value	230 V
supply voltage at AC	Set via wire jumper
supply voltage	120 V/230 V
input voltage 1 at AC	85 ... 132 V
input voltage 2 at AC	170 ... 264 V
wide range input	No
overvoltage overload capability	$2.3 \times V_{in}$ rated, 1.3 ms
buffering time for rated value of the output current in the event of power failure minimum	10 ms
operating condition of the mains buffering	at $P_{out} = 120$ W and $V_{in} = 93/187$ V
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
• at rated input voltage 120 V	2.2 A
• at rated input voltage 230 V	0.9 A
current limitation of inrush current at 25 °C maximum	32 A
I ² t value maximum	0.8 A ² ·s
fuse protection type	T 3,15 A/250 V (not accessible)
fuse protection type in the feeder	Recommended miniature circuit breaker: from 6 A characteristic C
output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
formula for output voltage	3-52 V DC
output voltage	
• at output 1 at DC rated value	24 V
output voltage adjustable	Yes; via potentiometer or analog current voltage signal 0 ... 2.5 V
adjustable output voltage	3 ... 52 V
relative overall tolerance of the voltage	1 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.1 %
• on slow fluctuation of ohm loading	0.2 %
voltage compensation per sense line	0.5 V
residual ripple	
• maximum	50 mV
• typical	20 mV
voltage peak	
• maximum	100 mV
• typical	80 mV
display version for normal operation	Green LED for 24 V OK
type of signal at output	Power-Good via relay contact, current monitor signal 0 ... 2.5 V
behavior of the output voltage when switching on	No overshoot of V _{out} (soft start)
response delay maximum	3 s
voltage increase time of the output voltage	
• typical	80 ms

output current	
• rated value	10 A
• minimum rated value	2 A
• maximum rated value	10 A
• rated range	0 ... 10 A; max. 120 W
supplied active power typical	120 W
constant overload current	
• on short-circuiting during the start-up typical	10 A
• at short-circuit during operation typical	10 A
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	84 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	23 W
protection and monitoring	
design of the overvoltage protection	Yes, according to EN 60950-1
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic current limiting (2 ... 10 A) in the range 3 ... 12 V or power limiting (120 W) in the range 12 ... 52 V
response value current limitation	2 ... 10 A
design of the current limitation	2 ... 10 A, adjustable using potentiometer or analog control voltage signal 0 ... 2.5 V
overcurrent overload capability	
• in normal operation	According to the adjusted current regulation 2 ... 10 A
display version for overload and short circuit	Red LED for current or power limiting
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra-low output voltage U _{out} acc. to EN 60950-1 and EN 50178
operating resource protection class	Class I
leakage current	
• maximum	3.5 mA
protection class IP	IP20
EMC	
standard	
• for emitted interference	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2
• for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289
• EAC approval	Yes
• NEC Class 2	No
• SEMI F47	Yes
type of certification	
• CB-certificate	No
MTBF at 40 °C	1 196 172 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
• IECEx	No
• ATEX	No
• ULhazloc approval	No
• FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No

• French marine classification society (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS)	No		
	No		
	No		
ambient conditions			
ambient temperature • during operation • during transport • during storage	0 ... 60 °C; with natural convection -40 ... +85 °C -40 ... +85 °C		
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation		
connection method			
type of electrical connection • at input • at output • for auxiliary contacts	screw terminal L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm² single-core/finely stranded L+: 1 screw terminal for 0.5 ... 2.5 mm²; M: 2 screw terminals for 0.5 ... 2.5 mm² Alarm signals, control inputs: 1 screw terminal each for 0.14 ... 1.5 mm²		
mechanical data			
width × height × depth of the enclosure	75 × 125 × 125 mm		
installation width × mounting height	75 mm × 225 mm		
required spacing • top • bottom • left • right	50 mm 50 mm 0 mm 0 mm		
fastening method • DIN-rail mounting • S7 rail mounting • wall mounting	Snap onto DIN rail EN 60715 35x7.5/15 Yes No No		
housing can be lined up	Yes		
net weight	0.9 kg		
further information internet links			
internet link • to website: Industry Online Support	https://support.industry.siemens.com		
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 www.siemens.com/cybersecurity-industry . 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 https://www.siemens.com/cert . (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](#)



[China RoHS](#)



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