## Sitop Modular 6EP1436-3BA00

URL:https://www.sxplc.com/sitop-modular-6ep1436-3ba00

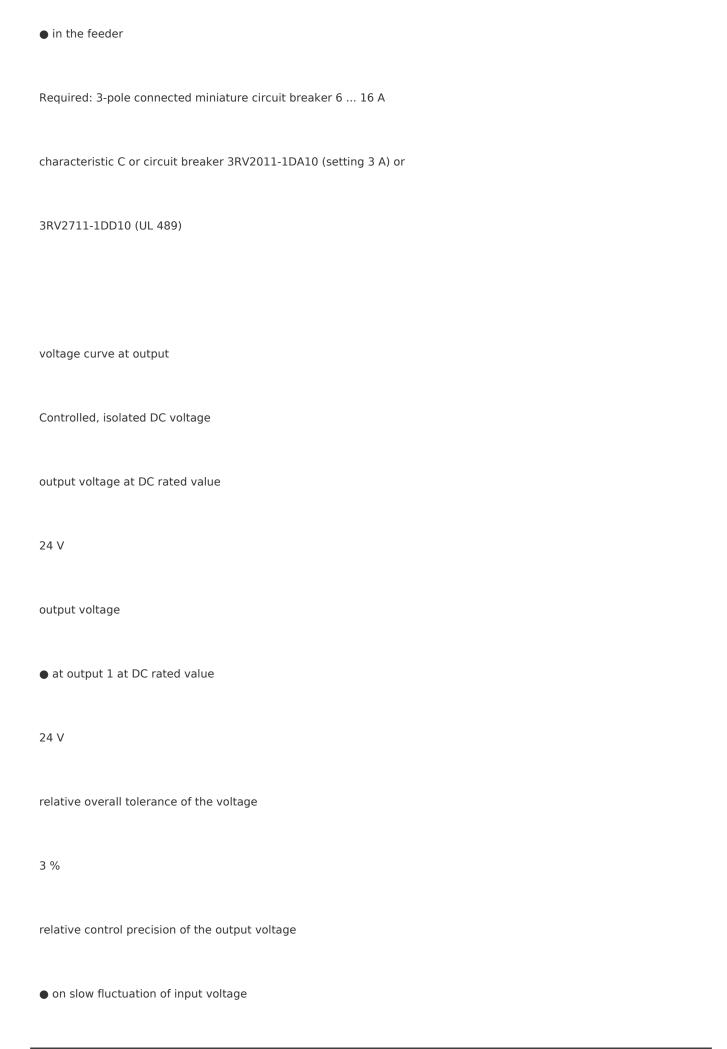
## **Product data sheet**

pe of the power supply network	
-phase AC	
upply voltage at AC	
minimum rated value	
00 V	
maximum rated value	
00 V	
initial value	
20 V; Starting from Vin > 340 V	

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• full-scale value	
550 V	
design of input wide range input	
Yes	
overvoltage overload capability	
$2.3 \times \text{Vin rated, } 1.3 \text{ ms}$	
operating condition of the mains buffering	
at Vin = 400 V	
buffering time for rated value of the output current in the	
event of power failure minimum	
6 ms	
operating condition of the mains buffering	
at Vin = 400 V line frequency	
• 1 rated value	
50 Hz	

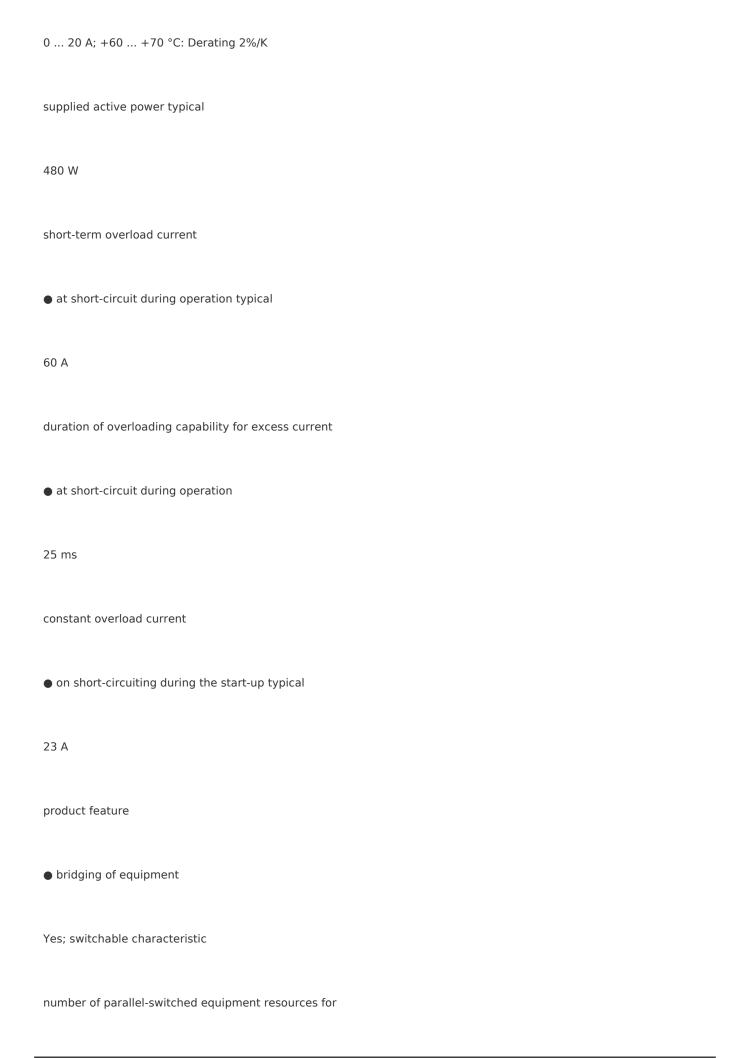
• 2 rated value
60 Hz
line frequency
47 63 Hz
input current
• at rated input voltage 400 V
1.1 A
● at rated input voltage 500 V
0.9 A
current limitation of inrush current at 25 °C maximum
35 A
I2t value maximum
0.7 A <sup>2</sup> ·s
fuse protection type
none



• on slow fluctuation of ohm loading
0.2 %
residual ripple
● maximum
100 mV
voltage peak
● maximum
200 mV
adjustable output voltage
24 28.8 V
product function output voltage adjustable
Yes
type of output voltage setting
via potentiometer; max. 480 W

0.1 %

display version for normal operation
Green LED for 24 V OK
type of signal at output
via signaling module (6EP1961-3BA10)
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



increasing the power
2
efficiency in percent
90 %
power loss [W]
• at rated output voltage for rated value of the output
current typical
53 W
relative control precision of the output voltage with rapid
fluctuation of the input voltage by +/- 15% typical
1 %
relative control precision of the output voltage load step of
resistive load 50/100/50 % typical

setting time
● load step 50 to 100% typical
4 ms
● load step 100 to 50% typical
4 ms
setting time
● maximum
10 ms
design of the overvoltage protection
< 35 V
response value current limitation typical
23 A
property of the output short-circuit proof
Yes

design of short-circuit protection
Alternatively, constant current characteristic approx. 23 A or latching
shutdown
enduring short circuit current RMS value
● typical
23 A
display version for overload and short circuit
LED yellow for "overload", LED red for "latching shutdown"
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



No		
• ATEX		
No		
certificate of suitability		
• IECEx		
No		
• NEC Class 2		
No		
● ULhazloc approval		
No		
● FM registration		
No		
type of certification CB-certificate		
No		
certificate of suitability		

EAC approval
Yes
certificate of suitability shipbuilding approval
Yes
shipbuilding approval
ABS, GL
Marine classification association
● American Bureau of Shipping Europe Ltd. (ABS)
Yes
● French marine classification society (BV)
No
DNV GL
Yes
● Lloyds Register of Shipping (LRS)
No

● Nippon Kaiji Kyokai (NK)
No
standard
• for emitted interference
EN 55022 Class B
• for mains harmonics limitation
EN 61000-3-2
• for interference immunity
EN 61000 6 3
EN 61000-6-2
ambient temperature
<ul><li>during operation</li></ul>
0 70 °C; with natural convection
• during transport
■ during durisport
-40 +85 °C



160 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	
2 kg	

product feature of the enclosure housing can be lined up Yes fastening method Snaps onto DIN rail EN 60715 35x7.5/15 electrical accessories Buffer module, signaling module MTBF at 40 °C 711 213 h other information Specifications at rated input voltage and ambient temperature  $+25~^{\circ}\text{C}$ (unless otherwise specified)