



SITOP PSU300S 20 A STABILIZED POWER SUPPLY
INPUT: 400-500 V 3 AC OUTPUT: 24 V DC/20 A

Technical specifications

Input

Supply voltage / at AC / nominal value min.	400 V
Supply voltage / at AC / nominal value max.	500 V
Supply voltage	
• at AC	340 ... 550 V
Wide-range input	Ja
Mains buffering at lout rated, min.	6 ms
Netfrequentie	50 / 60 Hz
Rated line range	47 ... 63 Hz
Input current / at nominal level of the input voltage 400 V	1,2 A
Input current / at nominal level of the input voltage 500 V	1 A
Switch-on current limiting (+25 °C), max.	36 A
I2t-waarde	0,9 A ² ·s

Output

Curvevorm van de spanning	Geregelde, potentiaalvrije gelijkspanning
Uitgangsspanning	24 V
Total tolerance, static ±	3 %
Static mains compensation, approx.	0,5 %
Static load balancing, approx.	1 %
Residual ripple peak-peak, max.	150 mV

Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV
Adjustment range	24 ... 28 V
Product feature / output voltage adjustable	Ja
Uitvoering van de weergave	LED groen voor 24 V O.K.
Aanspreekvertragingstijd	1,5 s
Spanningsstijgingstijd	30 ms
Voltage increase time / of the output voltage / maximum	500 ms
Rated current value lout rated	20 A
Uitgangsstroom	0 ... 20 A
delivered active power / typ.	480 W
short-term overload current / at short-circuit during run-up / typical	35 A
Duration of overloading ability for excess current / on short-circuiting during the start-up	100 ms
short-term overload current / at short-circuit during operation / typical	35 A
Duration of overloading ability for excess current / on short-circuiting during the operational phase	100 ms
Producteigenschap	Ja
Numbers of parallel switchable units for enhanced performance	2
Efficiency	
Efficiency at Vout rated, lout rated, approx.	91 %
Power loss at Vout rated, lout rated, approx.	47 W
Closed-loop control	
Dynamic mains compensation (Vin rated ± 15 %), max.	3 %
Dynamic load smoothing (lout: 50/100/50 %), Uout \pm typ.	3 %
Load step setting time 50 to 100%, typ.	2 ms
Load step setting time 100 to 50%, typ.	2 ms
Setting time / maximum	10 ms
Protection and monitoring	
Current limitation, typ.	25 A
Eigenschap van de uitgang / kortsluitvast	Ja
Enduring short circuit current / Effective level / maximum	7 A
Safety	
Potentiaalscheiding	Ja
Potentiaalscheiding	ZLBS-uitgangsspanning Ua volgens EN 60950-1 en EN 50178
stray current / maximum	3,5 mA
stray current / typical	1 mA
Geschiktheidsbewijs	Ja
Geschiktheidsbewijs	Ja
CB approval	Ja
Beschermingsklasse IP	IP20

EMC	
Operating data	
Ambient temperature / in operation	0 ... 70 °C
Ambient temperature / on transport	-40 ... +85 °C
Ambient temperature / in storage	-40 ... +85 °C
Mechanics	
Uitvoering elektrische aansluiting	schroefaansluiting
Breedte / van de behuizing	90 mm
Hoogte / van de behuizing	145 mm
Diepte / van de behuizing	150 mm
Inbouwbreedte	90 mm
Inbouwhoogte	225 mm
Nettogewicht	1,6 kg
Producteigenschap / van de behuizing / aaneenschakelbare behuizing	Ja
Bevestigingswijze / wandmontage	Nee
Bevestigingswijze / DIN-railmontage	Ja
Mounting type / S7 rail mounting	Nee
letzte Änderung:	19-aug-2014