



SITOP PSU200M 10 A STABILIZED POWER SUPPLY
INPUT: 120/230-500 V AC OUTPUT: 24 V DC/10 A

Technical specifications

Input

Voedingsspanning / 1 / bij AC	120 ... 230 V
Supply voltage / 2 / with AC	230 ... 500 V
Input voltage / 1 / at AC	85 ... 264 V
Input voltage / 2 / at AC	176 ... 550 V
Wide-range input	Ja
Mains buffering at lout rated, min.	25 ms
Netfrequentie	50 / 60 Hz
Rated line range	47 ... 63 Hz
Input current / at nominal level of the input voltage 120 V	4,4 A
Ingangsstroom / bij nominale waarde van de ingangsspanning 230 V	2,4 A
Input current / at nominal level of the input voltage 500 V	1,1 A
Switch-on current limiting (+25 °C), max.	35 A
I ² t-waarde	4 A ² ·s

Output

Curvevorm van de spanning	Geregelde, potentiaalvrije gelijkspanning
Uitgangsspanning	24 V
Total tolerance, static ±	3 %
Static mains compensation, approx.	0,1 %

Static load balancing, approx.	0,1 %
Residual ripple peak-peak, max.	50 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	200 mV
Adjustment range	24 ... 28,8 V
Product feature / output voltage adjustable	Ja
Uitvoering van de weergave	LED groen voor 24 V O.K.
Aanspreekvertragingstijd	1 s
Spanningsstijgingstijd	50 ms
Rated current value I _{out} rated	10 A
Uitgangsstroom	0 ... 10 A
delivered active power / typ.	240 W
Constant overload current / in the event of a short circuit during startup /typical	12 A
short-term overload current / at short-circuit during operation / typical	30 A
Duration of overloading ability for excess current / on short-circuiting during the operational phase	25 ms
Producteigenschap	Ja
Numbers of parallel switchable units for enhanced performance	2
Efficiency	
Efficiency at V _{out} rated, I _{out} rated, approx.	87 %
Power loss at V _{out} rated, I _{out} rated, approx.	36 W
Closed-loop control	
Dynamic mains compensation (V _{in} rated ± 15 %), max.	0,1 %
Dynamic load smoothing (I _{out} : 50/100/50 %), U _{out} $\pm$ 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	5 ms
Protection and monitoring	
Current limitation, typ.	12 A
Eigenschap van de uitgang / kortsluitvast	Ja
Enduring short circuit current / Effective level / typical	12 A
Safety	
Potentiaalscheiding	Ja
Potentiaalscheiding	ZLBS-uitgangsspanning U _a volgens EN 60950-1 en EN 50178
stray current / maximum	3,5 mA
stray current / typical	0,32 mA
Geschiktheidsbewijs	Ja
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CB approval	Nee
Beschermingsklasse IP	IP20

EMC	
Operating data	
Ambient temperature / in operation	-25 ... +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	125 mm
Diepte / van de behuizing	125 mm
Inbouwbreedte	90 mm
Inbouwhoogte	225 mm
Nettogewicht	1,4 kg
Producteigenschap / van de behuizing / aaneenschakelbare behuizing	Ja
Bevestigingswijze / wandmontage	Nee
Bevestigingswijze / DIN-railmontage	Ja
Mounting type / S7 rail mounting	Nee
letzte Änderung:	8-aug-2014