

SITOP PSU100L

Low-cost basic power supply

November 2011



The regulated 24 V power supplies meet basic requirements in the industrial environment and provide all important functions at a low price. The wide-range input with manual switchover supports connectivity to a variety of 1-phase supply systems. The compact design means that the primary switched-mode regulators require little space on the DIN rail, while the high degree of efficiency results in low power consumption and heat loss in the control cabinet. Short-circuit and overload protection as well as UL approval for export ensure problem-free use.



The benefits at a glance

- 24 V DC/2.5 A, 5 A and 10 A for industrial applications with basic requirements
- 1-phase wide-range input with manual switchover
- Narrow width
- No lateral installation clearances required
- Up to 89% efficiency
- Green LED for "24 V OK"
- Switching in parallel
- Ambient temperature range of 0 °C to +60 °C (from 45 °C with derating)
- Cooling through natural convection
- Short-circuit and overload protection
- CE, cULus certification

SITOP lite

Answers for industry.

SIEMENS

Technical specifications ¹⁾	SITOP PSU100L		
			
Output voltage/current	24 V/2.5 A	24 V/5 A	24 V/10 A
Order No. ²⁾	6EP1332-1LB00	6EP1333-1LB00	6EP1334-1LB00
Input voltage			
– Rated value	120/230 V AC		
– Work area	85 to 132 V/170 to 264 V AC		
Power failure backup	> 20 ms (at 93/187 V)		
Line frequency			
– Rated value	50/60 Hz		
Input current			
– Rated range	1.1/0.65 A	2.1/1.15 A	4.1/2.4 A
– Inrush current	< 27 A	< 32 A	< 65 A
– Recommended miniature circuit breaker	3 A characteristic C	6 A characteristic C	10 A characteristic C
Output voltage			
– Rated value	24 V DC		
– Tolerance	± 3%		
– Adjustment range	22.8 to 26.4 V DC		
Output current			
– Rated value	2.5 A	5 A	10 A
– Derating	from +45 °C (2%/K)	from +45 °C (2%/K)	from +45 °C (2%/K)
Efficiency at rated values, approx.	85%	86%	89%
Switching in parallel	Yes		
Electronic short-circuit protection	Yes, constant current		
Radio interference suppression (EN 55022)	Class A		
Radio interference suppression (EN 61000-3-2)	Not applicable	No	No
Degree of protection (EN 60529)	IP 20		
Ambient temperature	0 ... +60 °C		
Dimensions (W x H x D) in mm	32.5 x 125 x 125	50 x 125 x 125	70 x 125 x 125
Weight approx.	0.32 kg	0.5 kg	0.75 kg
Certifications	CE, cULus		

¹⁾ Technical specifications apply with rated input voltage and +25 °C ambient temperature (if not specified otherwise)

²⁾ Current ordering data and prices plus terms and conditions of sales and delivery can be found in Catalog KT 10.1 and on the Internet at: www.siemens.com/industrymall

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