

The new mini power supplies LOGO!Power

Greater functionality at the same price

October 2010



Our new power supplies in the same design as the logic modules offer even greater performance in the smallest space:

- Enhanced efficiency across the entire load range
- Halving of power losses in no-load operation (standby)
- Operation on DC voltage from 110 to 300 V DC
- Optimized response for capacitive loads with power reserve on starting up the power supply
- Extended operating temperature range from -20 °C to +70 °C

With a regulated 5, 12, 15 or 24 V DC output voltage and compatibility to the predecessor products, they are the right choice for many applications with low current consumption, whether in industry or building services systems.

Other advantages at a glance

- 3 performance classes up to 4 A at 24 V DC
- 2 performance classes for 5, 12 and 15 V DC
- Compact design
- Flat stepped profile, also ideal for installation in small distribution boards
- Constant current in the event of an overload for the safe connection of heavy loads such as DC/DC converters and motors
- Large setting range for output voltage
- Green LED for "Output voltage OK"
- Wide range input 85 to 264 V AC for almost all networks
- Worldwide, universal use – in industry or in residential low-voltage networks
- Comprehensive certification acc. to CE, UL/cUL, FM, shipbuilding GL and ATEX

LOGO!Power

Answers for industry.

SIEMENS

Technical data	LOGO!Power 5 V DC		LOGO!Power 12 V DC	
				
	5 V DC / 3 A	5 V DC / 6.3 A	12 V DC / 1.9 A	12 V DC / 4.5 A
Order No. 1)	6EP1311-1SH03	6EP1311-1SH13	6EP1321-1SH03	6EP1322-1SH03
Input voltage, rated value	100 – 240 V AC		100 – 240 V AC	
– Range	85 ... 264 V AC / 110 ... 300 V DC		85 ... 264 V AC / 110 ... 300 V DC	
Mains buffering	> 40 ms (at 187 V)		> 40 ms (at 187 V)	
Line frequency, rated value	50/60 Hz		50/60 Hz	
Input current, rated value	0.36 ... 0.22 A	0.71 ... 0.37 A	0.53 ... 0.30 A	1.13 ... 0.61 A
– Inrush current (25 °C)	< 26 A	< 50 A	< 25 A	< 55 A
– Recommended miniature circuit breaker	From 10 A characteristic C or 16 A characteristic B		From 10 A characteristic C or 16 A characteristic B	
Output voltage, rated value	5 V DC		12 V DC	
– Tolerance	± 3%		± 3%	
– Adjustment range	4.6 ... 5.4 V DC		10.5 ... 16.1 V DC	
Output current, rated value (up to +55°C)	3.0 A	6.3 A	1.9 A	4.5 A
Approx. efficiency at rated values	77%	83%	80%	85%
Power losses under no-load operation	< 1.5 W	< 1.5 W	< 1.8 W	< 1.9 W
Connectable in parallel	Yes, 2 units		Yes, 2 units	
Electronic short-circuit protection	Yes, constant current		Yes, constant current	
Radio suppression level (EN 55022)	Class B		Class B	
Supply harmonics limitation (EN 61000-3-2)	Not applicable		Not applicable	
Degree of protection (EN 60529)	IP20		IP20	
Ambient temperature	-20 ... +70 °C		-20 ... +70 °C	
Dimensions (W x H x D) in mm	54 x 90 x 55	72 x 90 x 55	54 x 90 x 55	72 x 90 x 55
Approx. weight	0.17 kg	0.25 kg	0.17 kg	0.25 kg
Certification	CE, cULus, FM, GL, ATEX		CE, cULus, FM, GL, ABS, ATEX	

Technical data	LOGO!Power 15 V DC		LOGO!Power 24 V DC		
					
	15 V DC / 1.9 A	15 V DC / 4 A	24 V DC / 1.3 A	24 V DC / 2.5 A	24 V DC / 4 A
Order No. 1)	6EP1351-1SH03	6EP1352-1SH03	6EP1331-1SH03	6EP1332-1SH43	6EP1332-1SH52
Input voltage, rated value	100 – 240 V AC		100 – 240 V AC		
– Range	85 ... 264 V AC / 110 ... 300 V DC		85 ... 264 V AC / 110 ... 300 V DC		
Mains buffering	> 40 ms (at 187 V)		> 40 ms (at 187 V)		
Line frequency, rated value	50/60 Hz		50/60 Hz		
Input current, rated value	0.63 ... 0.33 A	1.24 ... 0.68 A	0.70 ... 0.35 A	1.22 ... 0.66 A	1.95 ... 0.97 A
– Inrush current (25 °C)	< 25 A	< 55 A	< 25 A	< 46 A	< 30 A
– Recommended miniature circuit breaker	From 10 A characteristic C or 16 A characteristic B		From 10 A characteristic C or 16 A characteristic B		
Output voltage, rated value	15 V DC		24 V DC		
– Tolerance	± 3%		± 3%		
– Adjustment range	10.5 ... 16.1 V DC		22.2 ... 26.4 V DC		
Output current, rated value (up to +55°C)	1.9 A	4.0 A	1.3 A	2.5 A	4.0 A
Approx. efficiency at rated values	80%	85%	85%	88%	89%
Power losses under no-load operation	< 2 W	< 2.3 W	< 2 W	< 1.8 W	< 2 W
Connectable in parallel	Yes, 2 units		Yes, 2 units		
Electronic short-circuit protection	Yes, constant current		Yes, constant current		
Radio suppression level (EN 55022)	Class B		Class B		
Supply harmonics limitation (EN 61000-3-2)	Not applicable		Not applicable	Not applicable	Yes
Degree of protection (EN 60529)	IP20		IP20		
Ambient temperature	-20 ... +70 °C		-20 ... +70 °C		
Dimensions (W x H x D) in mm	54 x 90 x 55	72 x 90 x 55	54 x 90 x 55	72 x 90 x 55	90 x 90 x 55
Approx. weight	0.17 kg	0.25 kg	0.17 kg	0.25 kg	0.34 kg
Certification	CE, cULus, FM, GL, ATEX		CE, cULus, FM, GL, ABS, ATEX, SEMI F47, Class 2		CE, cULus, FM, GL, ABS, ATEX

1) You will find up-to-date ordering data as well as our terms of sale and delivery on the Internet.

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Subject to change without prior notice
Order No.: 6ZB5341-0AE02-0AA0
3P.8201.72.05 / Dispo 10001
BR 0910 5. SB 2 En
Printed in Germany
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