

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.

Siemens AG
Industry Sector
Industry Automation
Postfach 48 48
90026 NÜRNBERG
GERMANY

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