

DIN-Rail Mount SMPS



SP Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Major Features

- Compact size
- Built-in overcurrent protection circuit
- DIN rail mount and screw mount methods
- Power supply: 100-240 VAC~
- Output voltage: 5 VDC≐, 12 VDC≐, 24 VDC≐
- Output power: 3 W

Ordering Information

This is only for reference.

For selecting the specific model, follow the Autonics web site.

SP - 03 ①

① Output voltage

Number: Output voltage (unit: VDC≐)

Product Components

- Product
- Instruction manual

Specifications

| Model | SP-0305 | SP-0312 | SP-0324 |
|-------------------------------|---|---------|---------|
| Output power | 3 W | | |
| Input condition | | | |
| Voltage | 100 - 240 VAC~ | | |
| Permissible voltage range | 85 - 264 VAC~ | | |
| Frequency | 50 / 60 Hz | | |
| Efficiency (typical) | 67 to 74% | | |
| Current consumption (typical) | ≤ 0.15 A | | |
| Output characteristics | | | |
| Voltage | 5 VDC≐ | 12 VDC≐ | 24 VDC≐ |
| Current | 0.6 A | 0.25 A | 0.13 A |
| Voltage adjustment range | ≤ ±5% | | |
| Ripple noise | ≤ 5% | | |
| Voltage variation | ≤ 0.5% (at 85 - 264 VAC ~ 100% load) | | |
| Protection | | | |
| Over-current protection | ≥ 110% | | |
| Approval | EAC | | |
| Unit weight (Package) | ≈ 100 g | | |
| Indicator | | | |
| Indicator | Output indicator (red) | | |
| Insulation resistance | ≥ 100 MΩ (500 VDC≐ megger) | | |
| Dielectric strength | 2,000 VAC ~ 50 / 60 Hz for 1 min | | |
| Vibration | 0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours | | |
| Vibration (malfunction) | 0.5 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 minutes | | |
| Shock | 300 m/s ² (≈ 30 G) X, Y, Z direction for 3 times | | |
| Shock (malfunction) | 100 m/s ² (≈ 10 G) X, Y, Z direction for 3 times | | |
| Ambient temperature | -10 to 50 °C, storage: -20 to 70 °C (no freezing or condensation) | | |
| Ambient humidity | 35 to 85%RH (no freezing or condensation) | | |

Dimensions

- Unit: mm, refer to the Autonics website for the details of the product.
- This is based on the SP-0324 model.

