

Power supply unit - UNO-PS/1AC/24DC/150W - 2904376

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Primary-switched UNO power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/150 W

Product description

UNO POWER power supplies - compact with basic functionality

Thanks to their high power density, compact UNO POWER power supplies offer the ideal solution for loads up to 150 W, particularly in compact control boxes. The power supply units are available in various performance classes and overall widths. Their high degree of efficiency and low idling losses ensure a high level of energy efficiency.

Product Features



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 600.0 GRM |
| Custom tariff number | 85044030 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 37 mm |
| Height | 130 mm |
| Depth | 125 mm |

Ambient conditions

| | |
|--|--|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 70 °C (> 55 °C Derating: 2,5 %/K) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Max. permissible relative humidity (operation) | ≤ 95 % (at 25 °C, non-condensing) |

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Ambient conditions

| | |
|----------------|-------------------|
| Noise immunity | EN 61000-6-2:2005 |
|----------------|-------------------|

Input data

| | |
|------------------------------|---|
| Nominal input voltage range | 100 V AC ... 240 V AC |
| Input voltage range | 85 V AC ... 264 V AC |
| AC frequency range | 45 Hz ... 65 Hz |
| Inrush surge current | < 50 A (typical) |
| Power failure bypass | > 20 ms (120 V AC) |
| | > 20 ms (230 V AC) |
| Input fuse | 2.5 A (slow-blow, internal) |
| Choice of suitable fuses | 6 A ... 16 A (Characteristics B, C, D, K) |
| Type of protection | Transient surge protection |
| Protective circuit/component | Varistor |

Output data

| | |
|-------------------------------------|---|
| Nominal output voltage | 24 V DC ± 1 % |
| Setting range of the output voltage | 24 V DC ... 28 V DC ± 1 % |
| Nominal output current | 6.25 A (-25°C ... 55°C) |
| Derating | 55 °C ... 70 °C (2.5%/K) |
| Connection in parallel | Yes, for redundancy and increased capacity |
| Connection in series | No |
| Control deviation | < 1 % (change in load, static 10 % ... 90 %) |
| | < 2 % (change in load, dynamic 10 % ... 90 %) |
| | < 0.1 % (change in input voltage ± 10 %) |
| Residual ripple | < 40 mV _{PP} (with nominal values) |
| Maximum power dissipation NO-Load | < 1.2 W |
| Power loss nominal load max. | < 9.7 W |

General

| | |
|---------------------------------|--|
| Net weight | 0.5 kg |
| Efficiency | > 94 % (for 230 V AC and nominal values) |
| Insulation voltage input/output | 4 kV AC (type test) |
| | 3 kV AC (routine test) |
| Protection class | II (in closed control cabinet) |
| | > 868000 h (40°C) |
| Mounting position | horizontal DIN rail NS 35, EN 60715 |
| Assembly instructions | Alignable: 0 mm horizontally, 30 mm vertically |
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Low Voltage Directive | Conformance with LV directive 2006/95/EC |

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Technical data

General

| | |
|--|---------------------------------------|
| Standard – Electrical equipment of machines | EN 60204-1 |
| Standard - Safety of transformers | EN 61558-2-16 |
| Standard - Electrical safety | EN 60950-1/VDE 0805 (SELV) |
| Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations | EN 50178/VDE 0160 (PELV) |
| Standard – Safety extra-low voltage | EN 60950-1 (SELV) and EN 60204 (PELV) |
| Standard - Safe isolation | DIN VDE 0100-410 |
| Standard – Limitation of mains harmonic currents | EN 61000-3-2 |
| Approval - requirement of the semiconductor industry with regard to mains voltage dips | EN 61000-4-11 |
| Information technology equipment - safety (CB scheme) | CB Scheme |
| UL approvals | UL Listed UL 508 |
| | UL/C-UL Recognized UL 60950 |

Connection data, input

| | |
|---------------------------------------|---------------------|
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 14 |
| Stripping length | 8 mm |
| Screw thread | M3 |

Connection data, output

| | |
|---------------------------------------|---------------------|
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 14 |
| Stripping length | 8 mm |
| Screw thread | M3 |

Signaling

| | |
|-------------|----------------------|
| Output name | LED status indicator |
|-------------|----------------------|

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27040702 |
| eCl@ss 4.1 | 27040702 |
| eCl@ss 5.0 | 27049002 |
| eCl@ss 5.1 | 27049002 |
| eCl@ss 6.0 | 27049002 |
| eCl@ss 7.0 | 27049002 |
| eCl@ss 8.0 | 27049002 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC000599 |
| ETIM 5.0 | EC002540 |

Approvals

Approvals

Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / cULus Recognized / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Recognized

UL Listed

cUL Recognized

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Approvals

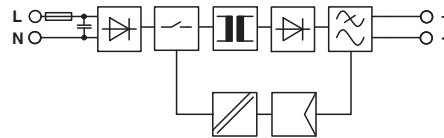
cUL Listed

cULus Recognized

cULus Listed

Drawings

Block diagram





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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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