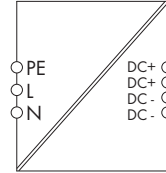


Switched-Mode Power Supply, 1-Phase

EPSITRON® COMPACT Power



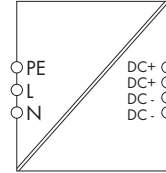
- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Screw mounts for alternative installation in distribution boxes or devices
- Pluggable picoMAX® connection technology (tool-free)
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1
- Suitable for both parallel and series operation

| System Data | |
|-------------------------------------|---|
| Input | |
| Nominal input voltage $V_{i, nom}$ | 100 ... 120 VAC; 220 ... 240 VAC |
| Input voltage range | 90 ... 132 VAC; 180 ... 264 VAC; 250 ... 375 VDC |
| Input voltage derating | -2 %/V (< 100 VAC) |
| Frequency | 47 ... 63 Hz |
| Input current I_i | < 3.8 A |
| Power factor | > 0.5 |
| Discharge current | < 0.25 mA |
| Inrush current | < 20 A |
| Mains failure hold-up time | ≥ 30 ms |
| Output | |
| Nominal output voltage $V_{o, nom}$ | 24 VDC (SELV) |
| Output voltage range | 22 V ... 26 VDC adjustable |
| Factory preset | 24 VDC |
| Output current I_o | 6.0 A (4.8 A at $V_i < 110$ VAC) |
| Adjustment accuracy | < 1 % |
| Deviation, dynamic load change | |
| 10 ... 90 % | < 1 % |
| Residual ripple | ≤ 100 mV (peak-to-peak) |
| Overload behavior | Constant power (in overload range: 1.05 ... 1.35 x I_o); shutdown and automatic restart in the event of a short circuit |
| Operational indication | Green LED (DC OK) |
| Efficiency/Power losses: | |
| Efficiency | > 90 % (230 VAC); > 89 % (110 VAC) |
| Power loss P_V | 0.4 W (230 VAC, no load) |
| Max. power loss P_V | 16.5 W (100 VAC, 6 ADC) |
| Fuse protection: | |
| Internal fuse | T 3,15 A/250 V |
| External fuse | Circuit breakers 6 A (characteristic: C), 10 A (characteristic: B) or higher; An external DC fuse is required for the DC input voltage |

| Description | Item No. | Pack. Unit |
|---|---|------------|
| Switched-mode power supply, 24 VDC / 6 A | 787-1226 | 1 |
| Technical Data | | |
| Environmental requirements: | | |
| Ambient operating temperature | -25 °C ... +70 °C | |
| Storage temperature | -40 °C ... +85 °C | |
| Relative humidity | 95 % (no condensation permissible) | |
| Derating | -2.66 %/K (> 55 °C) | |
| Degree of pollution | 2 (per EN 50178) | |
| Climatic category | 3K3 (per EN 60721, except for low air pressure) | |
| Safety and protection: | | |
| Test voltage PRI-SEC | 3 kV AC | |
| Protection class | I | |
| Degree of protection | IP20 (per EN 60529) | |
| Overvoltage protection | < 31 VDC (in the event of a fault) | |
| Short circuit protection | Yes | |
| No-load proof | Yes | |
| Feedback voltage | Max. 35 VDC | |
| Parallel operation | Yes | |
| Series connection | Yes | |
| MTBF | > 500,000 h | |
| Connection and mounting type: | | |
| Wire connection | Input/Output: picoMAX® (WAGO 2092 Series) | |
| Cross sections | Input/Output: 0.2 ... 2.5 mm ² /24 ... 12 AWG | |
| Strip lengths | Input/Output: 9 ... 10 mm/0.35 ... 0.39 in. | |
| Mounting type | DIN-rail-mount (EN 60715) or screw mount (back/side) | |
| Dimensions and weight: | | |
| Dimensions (mm) W x H x L | 144 x 90 x 56 | |
| Weight | Length: 55 mm, from upper-edge of DIN-rail 510 g | |
| Standards and specifications: | | |
| Conformity marking | CE | |
| Standards/specifications | EN 61204-3, EN 60950-1, EN 60335-1, UL 60950, UL 508* (* pending) | |

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