product data sheet

item no. 81.000.6110.0

# switched-mode power supply WIPOS P1 24-1.25

wipos switched-mode power supply, nominal voltage: 24 V DC / 1,25A (setting range 24-28 V DC), sustained short-circuit protection, input voltage range: 85-264 V AC / 90-375V DC, single phase, W x H x D: 40,5 × 88,5 × 115 mm




| | |
|---|---|
| item no. | 81.000.6110.0 |
| EAN | 4049088037443 |
| order unit | 1 piece(s) |

## certificates / approvals

## technical data

**general**

| | |
|---|---|
| connection type | screw connection |
| number of phases | single phase power supply |
| suitable for modular version | no |
| mounting type, other | no |
| mounting type, wall mounting | no |
| rail mounting possible | yes |
| housing material | Polycarbonate (PC) |
| operating temperature min. | -40 °C |
| operating temperature max. | 71 °C |
| relative humidity min. | 20 % |
| relative humidity max. | 95 % |
| storage temperature / transport min. | 85 °C |
| storage temperature / transport max. | -40 °C |
| degree of protection (IP) | IP20 |
| parallel-service possible | no |

**technical data**

| | |
|---|---|
| permissible load | min. 700 Ohm |
| function display | "DC OK" (LED green) (U(o) 17.6...19.4V) |
| short-circuit protective device | current limitation (fold forward) |
| temperature coefficient | ±0,03%/K |
| ripple and noise | < 0.05 V |
| hold time 115V AC | > 20 ms |
| hold time 230V AC | > 30 ms |
| isolating voltage Output DC | 4242 V |

| | |
|---|---|
| cohesive resistance (In-/Output) | 100 MOhm |
| derating | 61°C...71°C: 2.5 %/K |
| cooling | free convection |
| MTBF | 588,000h |
| connector cross section (input | min. 0.2mm² (AWG24)max.2.5mm² (AWG12) |
| connector cross section (output) | min. 0.2mm² (AWG24)max.2.5mm² (AWG12) |
| connector cross section PE | min. 2.5mm² (AWG14) |
| wire strip length | 5 mm |
| permissible torque max. | 0.6 Nm |
| CE-Norm | EN55022 & EN61000-6-3, EN61000-3-2,EN61000-3-3, EN55024 & EN61000-6-2,EN61000-4-2, EN61000-4-3, EN61000-4-4,EN61000-4-5, EN61000-4-6, EN61000-4-8,EN61000-4-11, EN60204-1, EN61204-3 |
| TÜV/safety | EN60950-1, EN61558-1, EN61558-2-16(comply with EN60204) , IRAM |
| approval UL | UL 508 Listed, UL60950-1 RecognizedUL 1310 Class 2 Power supply |
| number of + | 2 |
| number of - | 2 |
| further terminals | L1, N, PE, OK (Switch output Open-Collector) |
| OK port switch at U(out) | < 19.2 V |
| OK port supply | con uscita in tensione 24Vcc |

**output**

| | |
|---|---|
| type of output voltage | DC |
| power output | 30 W |
| output voltage stabilized | yes |
| output voltage | 24 V |
| min. output voltage | 24 V |
| max. output voltage | 28 V |
| Over voltage proctection (OVP) | # 33 V |
| output current | 1.25 A |

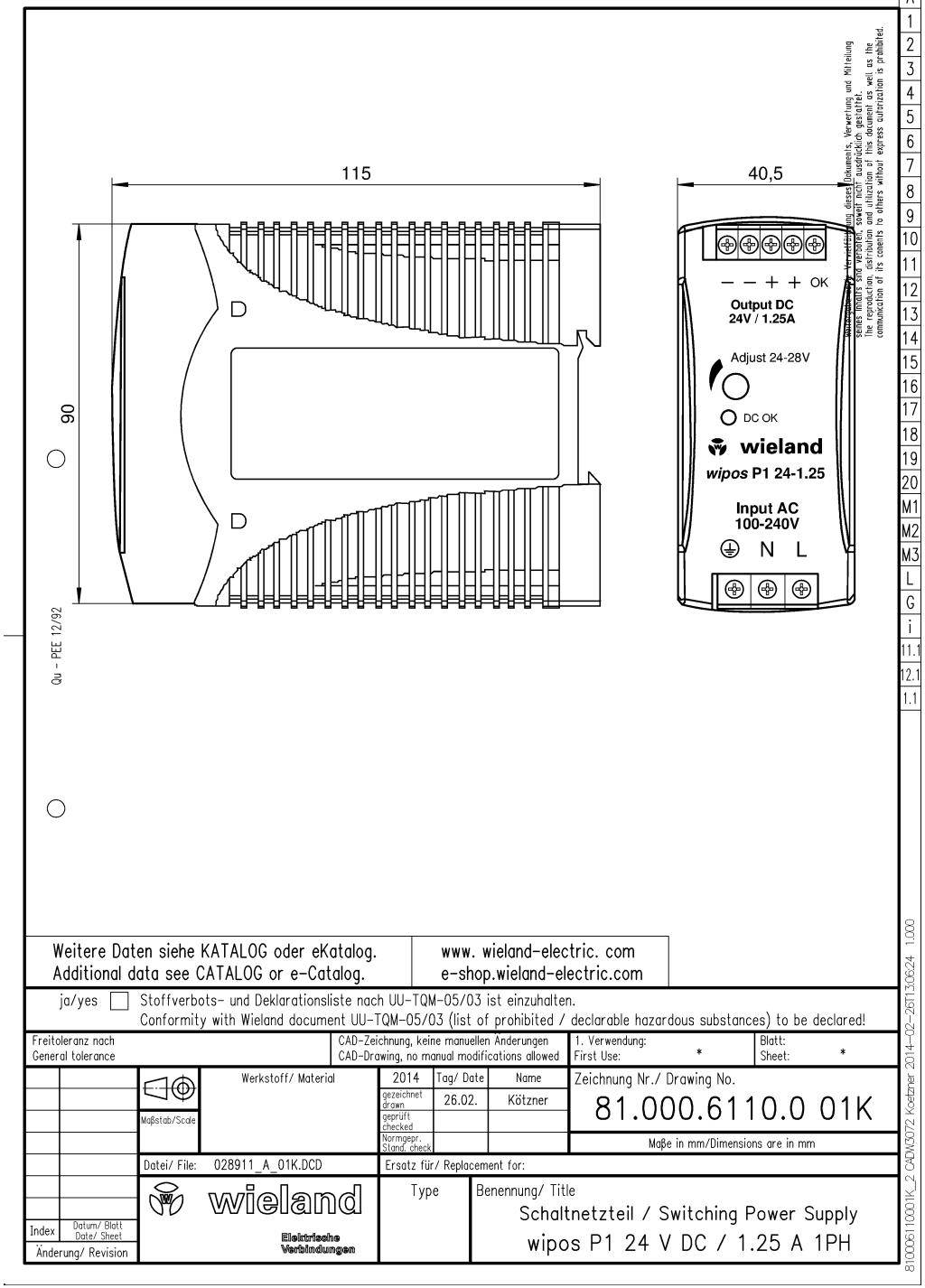
**input**

| | |
|---|---|
| type of voltage (input voltage) | |
| power consumption | < 42 VA |
| input voltage DC min. | 90 V |
| input voltage DC max. | 375 V |
| input voltage AC min. | 85 V |
| input voltage AC max. | 264 V |
| rated frequency min. | 47 Hz |
| rated frequency max. | 63 Hz |
| input fuse | T2A / 250V (internal) |

**dimensions**

| | |
|---|---|
| depth | 115 mm |
| width | 40.5 mm |
| height | 90 mm |
| mounting distance horizontal | 25 mm |
| mounting distance vertical | 25 mm |
| weight | 290 g |

technical drawing




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|---|---|
| Weitere Daten siehe KATALOG oder eKatalog.<br>Additional data see CATALOG or e-Catalog. | www. wieland-electric. com<br>e-shop.wieland-electric.com |

ja/yes ☐ Stoffverbots- und Deklarationsliste nach UU-TQM-05/03 ist einzuhalten.
Conformity with Wieland document UU-TQM-05/03 (list of prohibited / declarable hazardous substances) to be declared!

| | | | |
|---|---|---|---|
| Freitoleranz nach<br>General tolerance | CAD-Zeichnung, keine manuellen Änderungen<br>CAD-Drawing, no manual modifications allowed | 1. Verwendung:<br>First Use: * | Blatt:<br>Sheet: * |

| | | | |
|---|---|---|---|
| Werkstoff/ Material | 2014 | Tag/ Date | Name |
| Maßstab/Scale | gezeichnet drawn | 26.02. | Kötzner |
| | geprüft checked | | |
| | Normgepr. Stand. check | | |

Zeichnung Nr./ Drawing No.
81.000.6110.0 01K
Maße in mm/Dimensions are in mm

Datei/ File: 028911_A_01K.DCD
Ersatz für/ Replacement for:

wieland
Elektrische Verbindungen

Type

Benennung/ Title
Schaltnetzteil / Switching Power Supply
wipos P1 24 V DC / 1.25 A 1PH

Index | Datum/ Blatt Date/ Sheet
Änderung/ Revision

81000611000 1K_2 CADM3072 Koetzner 2014-02-26T13:06:24 1.000