

Data sheet

Commercial Art.No.: 81.000.6180.0

Switched-mode power supply WIPOS P3 24-20

wipos switched-mode power supply, nominal voltage: 24 V DC / 20A (setting range 22,5-28,5 V DC), sustained short-circuit protection, input voltage range: 340-575 V AC, 480-820 V DC, 3 phase, W x H x D: 150 × 123,6 × 118,2 mm



| | |
|--------------------|---------------|
| Commercial Art.No. | 81.000.6180.0 |
| EAN | 4049088058240 |
| Order Unit | 1 |

Certificates / Approvals



Technical data

General

| | |
|--------------------------------------|----------------------|
| Connection type | screw connection |
| Number of phases | 3 phase power supply |
| Modular version | No |
| Mounting type, other | No |
| Mounting type, wall mounting | No |
| Rail mounting possible | yes |
| Housing material | Metal |
| Operating temperature min. | -30 °C |
| Operating temperature max. | 71 °C |
| relative humidity min. | 20 % |
| relative humidity max. | 95 % |
| Storage temperature / transport min. | 85 °C |
| Storage temperature / transport max. | -30 °C |
| Degree of protection (IP) | IP20 |
| Pollution degree | 2 |
| Parallel-service possible | yes |
| Number of parallel switchable device | 2 |

Technical data

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|---------------------------------|--|
| Function display | "DC OK" (LED green) (U _o) 17.6...19.4V) |
| function display "DC Low" | "DC Low" (LED red) |
| Short-circuit protective device | Continuous (switch setting "C"): Current limiting (fold Forward) Discontinuous (switch setting "D"): Hiccup-Mode: Cut-off after 3 seconds, autom. restart after 30 seconds. |
| temperature coefficient | ±0,03%/K |
| ripple and noise | < 0.1 V |

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|------------------------------------|---|
| isolating voltage Output DC | 4242 V |
| cohesive resistance (In-/Output) | 100 MOhm |
| Derating | 61°C...71°C: 2,5 %/K |
| cooling | free convection |
| MTBF | 411.000h |
| Connector cross section (input) | min. 0,5mm ² (AWG24) max. 6mm ² (AWG10) |
| Connector cross section (output) | min. 0,5mm ² (AWG24) max. 6mm ² (AWG10) |
| Wire strip length | 8 m |
| Permissible torque max. | 0.6 Nm |
| Control"Continuous/ Discontinuous" | Behaviour at short circuiting (Fold Forward/Hiccup mode) |
| Control "Single / Parallel" | Operating mode: single operation / parallel operation |
| CE-Norm | EN61000-6-3, EN 55022 Class B,EN61000-3-2, EN61000-3-3, EN61000-6-2,EN55024, EN61000-4-2, Level 4,EN61000-4-3 Level 3, EN61000-4-4 Level 4,EN61000-4-5 L-N Level 3, L/N-FG Level 4,EN61000-4-6 Level 3, EN61000-4-8 Level 4,EN61000-4-11, ENV 50204 Level 2,EN61204-3 |
| TÜV/safety | EN60950-1, EN61558-1, EN61558-2-16(erfüllt EN60204) , IRAM |
| Approval cULus | UL 508 Listed, UL60950-1 Recognized |
| Number of + | 2 |
| Number of - | 2 |
| Further terminals | L1, L2, L3, N, PE, OK (2x Relay-NO) |

Output

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|---------------------------|--------|
| Type of output voltage | DC |
| Power output | 480 W |
| Output voltage stabilized | yes |
| Output voltage | 24 V |
| Min. output voltage | 22.5 V |
| Max. output voltage | 28.5 V |
| Output current | 20 A |

Input

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|---------------------------------|---------------------------------------|
| Type of voltage (input voltage) | |
| Power consumption | < 533 VA |
| Input voltage DC min. | 480 V |
| Input voltage DC max. | 820 V |
| Input voltage AC min. | 340 V |
| Input voltage AC max. | 575 V |
| Rated frequency min. | 47 Hz |
| Rated frequency max. | 63 Hz |
| Max. starting current | 20 A |
| Input fuse | 3x T3,15A / 500V AC (intern) |
| input protection | Varistor (voltage-sensitive resistor) |

Dimensions

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| Depth | 119 mm |
| Width | 151 mm |
| Height | 124 mm |
| Mounting Distance horizontal | 25 mm |
| Mounting Distance vertical | 25 mm |
| Weight | 1.75 kg |

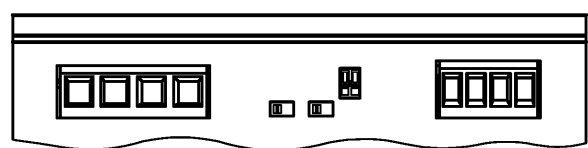
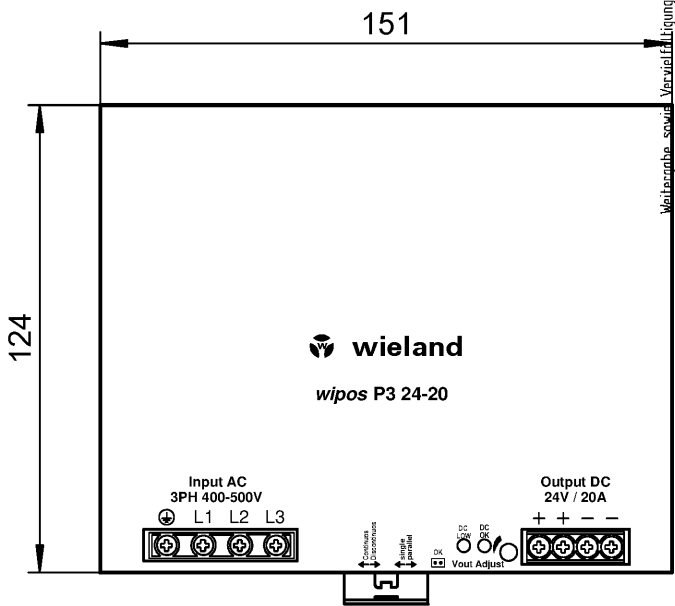
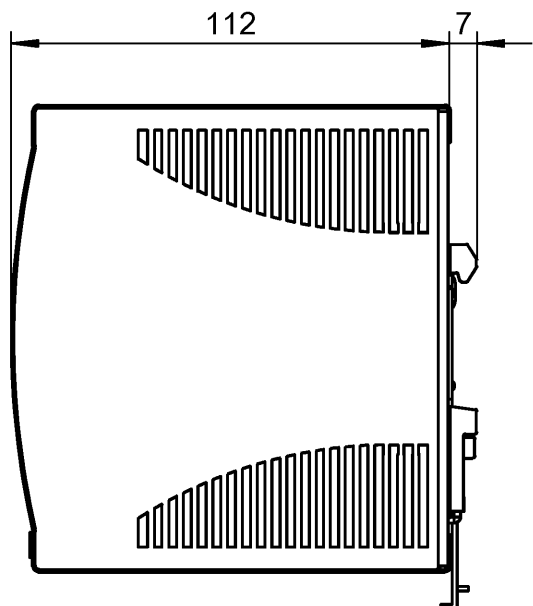
Classification

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|------------|----------|
| ECLASS 11 | |
| ECLASS 8.1 | 27049002 |
| ETIM 7.0 | EC002540 |
| ETIM 6.0 | EC002540 |
| ETIM 5.0 | EC002540 |

Product compliance

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| ROHS conformity status | Compliant |
| REACH-SVHC conformity status | Compliant |

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Ansicht Unterseite / Bottom view

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Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.

www.wieland-electric.com
eshop.wieland-electric.com

ja/yes Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

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| Freitoleranz nach General tolerance | | CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed | | | 1. Verwendung: First Use: | | Blatt: Sheet: | | |
|  Maßstab/Scale | | Werkstoff/ Material | | 2016 | Tag/ Date | Name | | Zeichnung Nr./ Drawing No. | |
| | | | | gezeichnet drawn | 04.03. | Koetzner | | 81.000.6180.0 01K | |
| | | | | geprüft checked | | | | | |
| | | Datei/ File: 030101__01K.DCD | | Ersatz für/ Replacement for: | | | | | |
| | |  wieland www.wieland-electric.com | | Type | | Benennung/ Title | | | |
| Index | | | | Datum/ Blatt Date/ Sheet | | | | Teilespezifikation / Component specification | |
| Änderung/ Revision | | | | | | Schaltnetzteil / Switching Power Supply wipos P3 24 V DC / 20 A | | | |