

## Data sheet

Commercial Art.No.: 81.000.6150.0

Switched-mode power supply WIPOS P1 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: 115 V AC / 230 V AC, 120-370 V DC, single phase, W x H x D: 175 x 123,6 x 123,6 mm



Certificates / Approvals



## Technical data

### General

Connection type	Screw connection
Number of phases	Single 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.	-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	Yes
Number of parallel switchable device	3

### Technical data

Function display	"DC OK" (LED green) (U(o) 17.6...19.4V)
function display "DC Low"	"DC Low" (LED red)
Short-circuit protective device	Strombegrenzung (fold forward)
temperature coefficient	±0,03%/K
ripple and noise	< 0.1 V
hold time 230V AC	> 30 ms
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm
Derating	56°C...71°C: 2,5 %/K
cooling	free convection
MTBF	403.000h

Connector cross section (input)	min. 0,5mm <sup>2</sup> (AWG24) max. 6mm <sup>2</sup> (AWG10)
Connector cross section (output)	min. 0,5mm <sup>2</sup> (AWG24) max. 6mm <sup>2</sup> (AWG10)
Wire strip length	8 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(erfüllt EN60204) , IRAM
Approval cULus	UL 508 Listed, UL60950-1 Recognized
Number of +	2
Number of -	2
Further terminals	L1, N, PE, OK (2x Relay-NO)

### Output

Type of output voltage	DC
Power output	570 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

Type of voltage (input voltage)	
Power consumption	< 663 VA
Input voltage AC min.	90 V
Input voltage AC max.	264 V
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Input fuse	10A / 250V (intern)

### Dimensions

Depth	123.6 mm
Width	175 mm
Height	123.6 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	1.9 kg

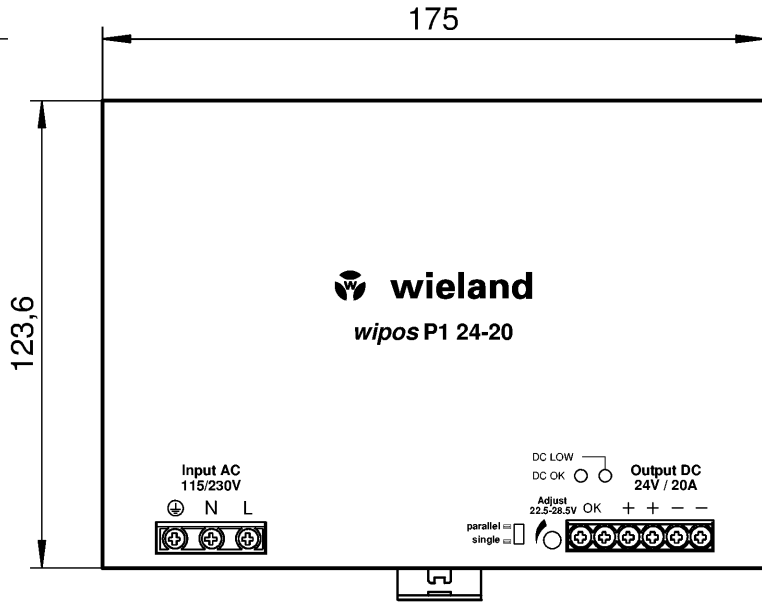
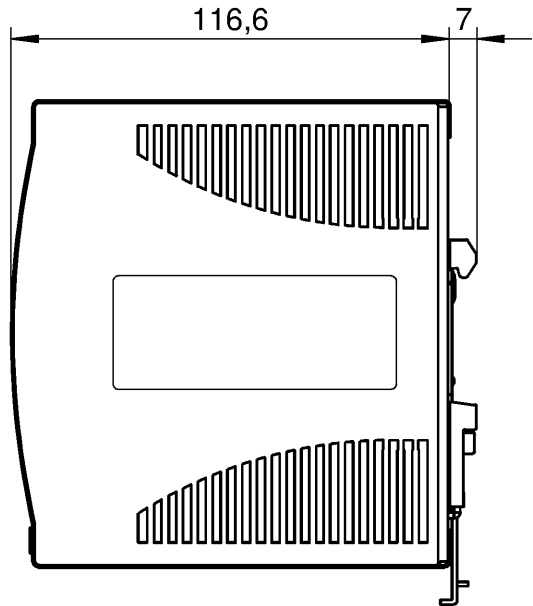
### Classification

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

### Product compliance

ROHS conformity status	Compliant
REACH-SVHC conformity status	Compliant

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Weitere Daten siehe KATALOG oder eKatalog.  
Additional data see CATALOG or e-Catalog.

[www.wieland-electric.com](http://www.wieland-electric.com)  
[e-shop.wieland-electric.com](http://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 General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed		1. Verwendung: First Use:		Blatt: Sheet:	
		Werkstoff/ Material		2014	Tag/ Date	Name	Zeichnung Nr./ Drawing No. <b>81.000.6150.0 01K</b>
				gezeichnet drawn	26.02.	Kötzner	
Maßstab/Scale		geprüft checked		Normgepr. Stand. check			
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		Type		Benennung/ Title			
				Schaltnetzteil / Switching Power Supply wipos P1 24 V DC / 20 A 1PH			
Index	Datum/ Blatt Date/ Sheet	Elektrische Verbindungen					
Änderung/ Revision							

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