

## Data sheet

Commercial Art.No.: 81.000.6134.0

Switched-mode power supply WIPOS P1 48-5

wipos switched-mode power supply, nominal voltage: 48 V DC / 5A (setting range 47-56 V DC), sustained short-circuit protection, input voltage range: 115 V AC / 230 V AC, 210-370 V DC, single phase, W x H x D: 83 x 123,6 x 123,6 mm



Commercial Art.No.	81.000.6134.0
EAN	4049088106125
Order Unit	1

## Technical data

### General

Connection type	screw connection
Number of phases	Single phase power supply
Modular version	yes
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 115V AC	> 25 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	423.000h
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, NC (not used)

### Output

Type of output voltage	DC
Power output	480 W
Output voltage stabilized	yes
Output voltage	48 V
Min. output voltage	47 V
Max. output voltage	56 V
Min. output voltage	47 V
Max. output voltage	56 V
Output current	5 A

### Input

Type of voltage (input voltage)	
Primary voltage range	90 V
Min. input voltage	90 V
Max. input voltage	264 V
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Input fuse	T6,3A / 250V (intern)

### Dimensions

Depth	123.6 mm
Width	83 mm
Height	123.6 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	1.3 kg

### Classification

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

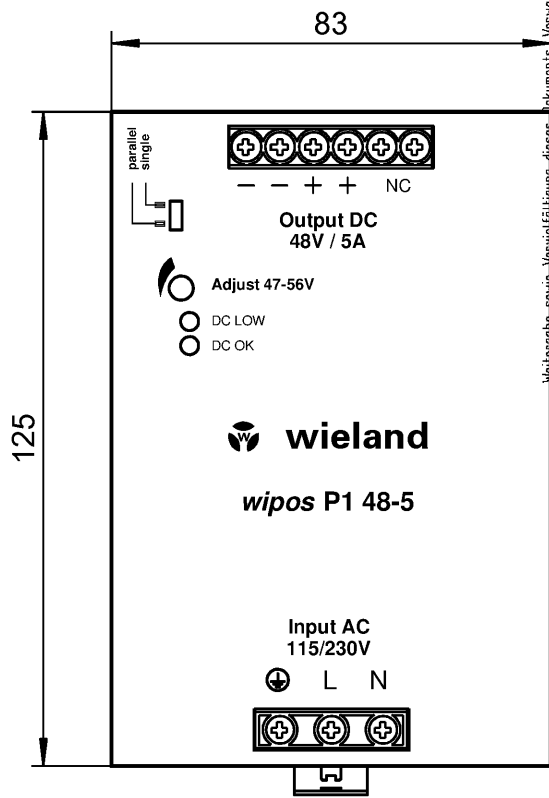
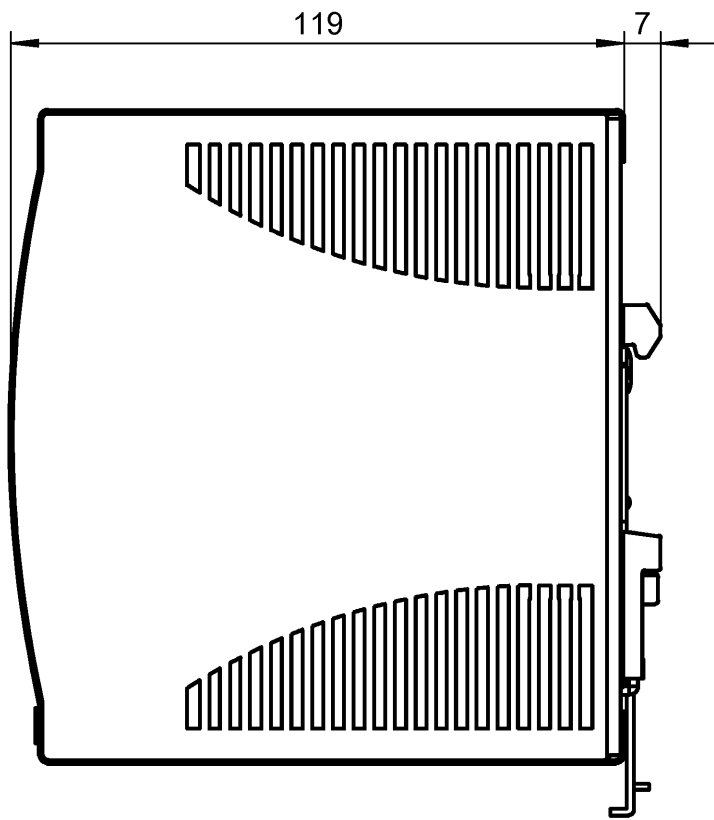
ETIM 3.0	EC001039
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**Product compliance**

ROHS conformity status	Compliant
REACH-SVHC conformity status	Compliant

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

[www.wieland-electric.com](http://www.wieland-electric.com)  
[eshop.wieland-electric.com](http://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!

Freitoleranz nach General tolerance		CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed			1. Verwendung: First Use:		Blatt: Sheet:			
		Werkstoff/ Material		2016	Tag/ Date	Name	Zeichnung Nr./ Drawing No. <b>81.000.6134.0 01K</b>			
				gezeichnet drawn	04.03.	Koetzner				Maße in mm/Dimensions are in mm
Maßstab/Scale		Datei/ File: 033801__01K.DCD		geprüft checked		Ersatz für/ Replacement for:				
Normgepr. Stand. check				Type						Benennung/ Title
Index		Datum/ Blatt Date/ Sheet		 www.wieland-electric.com		Schaltnetzteil / Switching Power Supply		wipos P1 48 VDC / 5 A 1PH		
Änderung/ Revision										