

## Data sheet

Art.No.: 81.000.6340.0

Switched-mode power supply WIPOS PB1 24-4.2

wipos switched-mode power supply, nominal voltage: 24 V DC / 4,2A, (setting range 24-28 V DC) sustained short-circuit protection, input voltage range: 90-264 V AC / 120-375 V DC, single phase, DIN rail mounted device 5 mod.



Art.No.	81.000.6340.0
EAN	4049088081477
Order Unit	1

Certificates / Approvals



## 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	Plastic
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
Pollution degree	2
Parallel-service possible	No

### Technical data

Function display	"DC OK" LED green (U(o) 19.2...21.6V)
function display "DC Low"	"DC LOW" LED rot (U(o) < 19,2...21,6V)
Short-circuit protective device	Strombegrenzung (fold forward)
temperature coefficient	±0,03%/K
ripple and noise	< 0.05 V
hold time 115V AC	> 10 ms
hold time 230V AC	> 60 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	525.000h
Connector cross section (input)	min. 0,5mm <sup>2</sup> (AWG24) max. 2,5mm <sup>2</sup> (AWG12)
Connector cross section (output)	min. 0,5mm <sup>2</sup> (AWG24) max. 2,5mm <sup>2</sup> (AWG12)
Wire strip length	7 m
Permissible torque max.	0.6 Nm
Control "Adj"	trimming potentiometer for fine-tuning of U(out)
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
Approval cULus	UL 508 Listed, UL60950-1 Recognized
Number of +	2
Number of -	2
Further terminals	L, N

### Output

Type of output voltage	DC
Power output	100.8 W
Output voltage stabilized	Yes
Output voltage	24 V
Min. output voltage	24 V
Max. output voltage	28 V
Output current	4.2 A

### Input

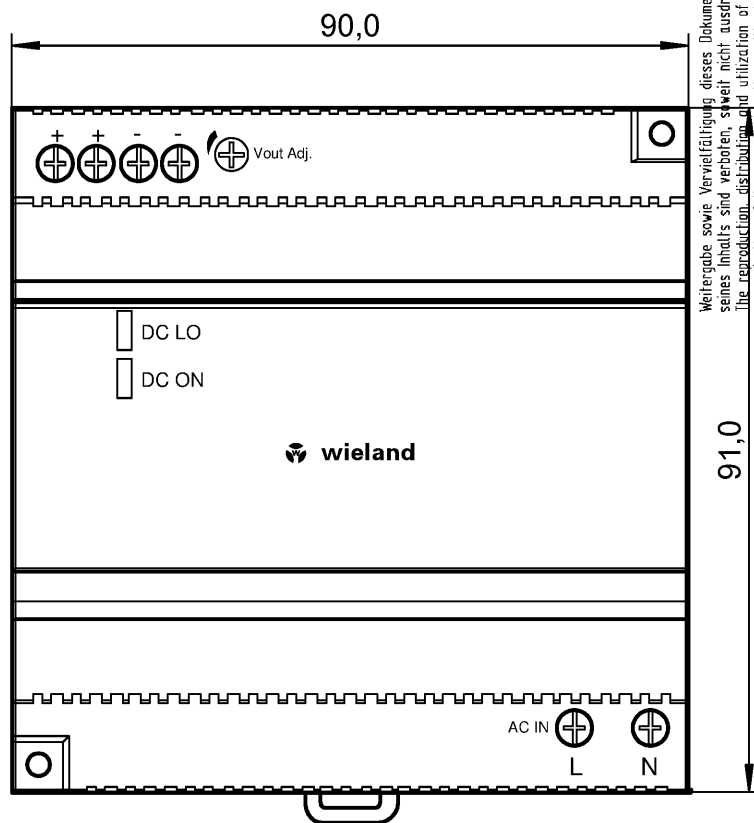
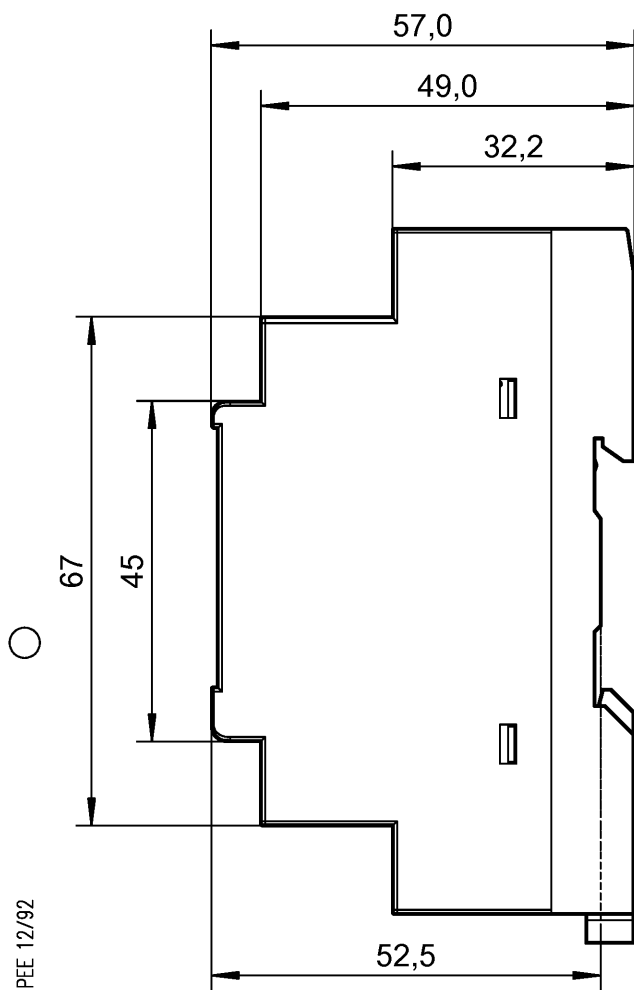
Type of voltage (input voltage)	
Input voltage DC min.	120 V
Input voltage DC max.	375 V
Primary voltage range	90 V
Input voltage AC min.	90 V
Input voltage AC max.	264 V
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Input fuse	T3,15A / 250V (internal)
input protection	Varistor (voltage-sensitive resistor)

### Dimensions

Depth	57 mm
Width	90 mm
Height	91 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	380 g

### Classification

ECLASS 8.1	27049002
ETIM 7.0	EC002540
ETIM 6.0	EC002540
ETIM 5.0	EC002540
ETIM 3.0	EC001039



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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!

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Index				Datum/ Blatt Date/ Sheet		Teilespezifikation / Component specification Schaltnetzteil / Switching Power Supply wipos PB1 24-4,2			
Änderung/ Revision									

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