

Data sheet

Art.No.: 81.000.6320.0

Switched-mode power supply WIPOS PB1 24-1.5

wipos switched-mode power supply, nominal voltage: 24 V DC / 1,5A, (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 3 mod.

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DIGITALIZATION IN PROGRESS

Art.No.	81.000.6320.0
EAN	4049088081453
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	> 20 ms
hold time 230V AC	> 100 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	732,000h
Connector cross section (input)	min. 0.2mm ² (AWG24)max.2.5mm ² (AWG12)
Connector cross section (output)	min. 0.2mm ² (AWG24)max.2.5mm ² (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	36 W
Output voltage stabilized	Yes
Output voltage	24 V
Min. output voltage	24 V
Max. output voltage	28 V
Output current	1.5 A

Input

Type of voltage (input voltage)	
Input voltage DC min.	120 V
Input voltage DC max.	375 V
Input voltage AC min.	90 V
Input voltage AC max.	264 V
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Max. starting current	50 A
Input fuse	T2A / 250V (intern)
input protection	Varistor (voltage-sensitive resistor)

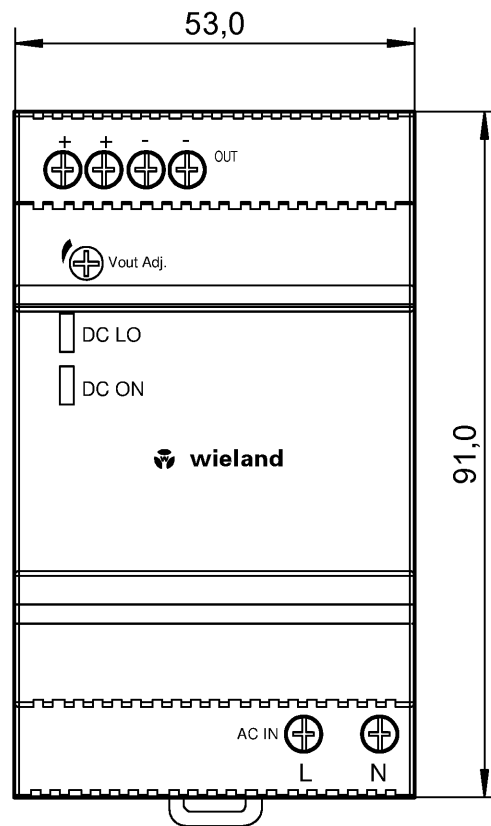
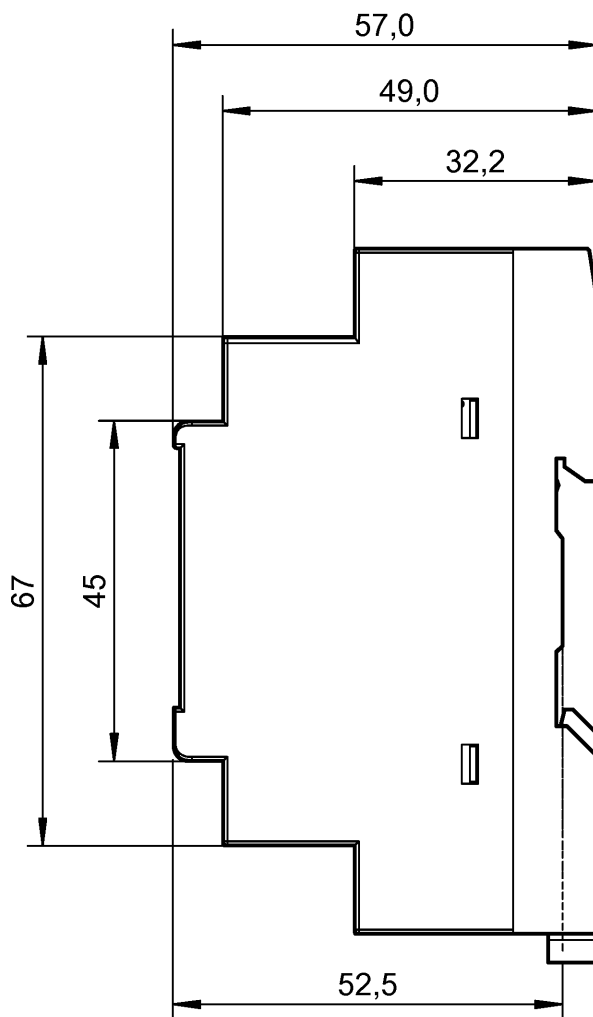
Dimensions

Depth	56.5 mm
Width	53 mm
Height	91 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	190 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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Teile-Nr. / Part-No.	Typ / Type
81.000.6320.0	wipos PB1 24-1,5
81.000.6332.0	wipos PB1 12-2,75

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.

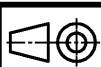
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

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.

Maßstab/Scale

gezeichnet
drawn

29.02.

Koetzner

T 81.000.6320.0 01K

geprüft
checked

Normgepr.
Stand. check

Maße in mm/Dimensions are in mm

Datei/ File: 031511__01K.DCD

Ersatz für/ Replacement for:



wieland

www.wieland-electric.com

Type

Benennung/ Title

Teilespezifikation /
Component specification

Schaltnetzteil / Switching Power Supply

Index

Datum/ Blatt
Date/ Sheet

Änderung/ Revision