product data sheet

item no. 81.000.1214.0

switched-mode power supply WIPOS PBS1 24-4.2

Primary-switched power supply unit wipos PBS1, Screw connection, DIN Rail mounting, Input: 85-264 V AC, Output: 24-28 V DC / 4,2 A, Power: 100,8 W, Efficiency: 90.0%, WxHxD: 72x91x55,6

+V +V -V -V
V.ADJ
24-28VDC/4.2-3.6A
DC OK
wieland
wipos PBS1 24-4.2
100-240VAC

item no.	81.000.1214.0
EAN	4049088730870
order unit	1 piece(s)

certificates / approvals

technical data

general

connection type	screw connection
number of phases	single phase power supply
suitable for modular version	yes
mounting type, other	no
mounting type, wall mounting	no
rail mounting possible	yes
housing material	Polycarbonate (PC)
operating temperature min.	-20 °C
operating temperature max.	71 °C
relative humidity min.	5 %
relative humidity max.	95 %
storage temperature / transport min.	85 °C
storage temperature / transport max.	-40 °C
degree of protection (IP)	IP20
protection class	II
pollution degree	2
parallel-service possible	no

technical data

display	LED
short-circuit protective device	current limiting (hiccup mode)
hold time 115V AC	> 15 ms
cohesive resistance (In-/Output)	100 MOhm
cooling	free convection
MTBF	-

connector cross section (input	min. 0.2mm² (AWG24)max.2.5mm² (AWG12)
connector cross section (output)	min. 0.2mm² (AWG24)max.2.5mm² (AWG12)
wire strip length	5 mm
permissible torque max.	0.56 Nm
control "Adj"	trimming potentiometer for fine-tuning of U(out)
number of +	1
number of -	1
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	35 V
min. output voltage	24 V
max. output voltage	35 V
output current	4.2 A

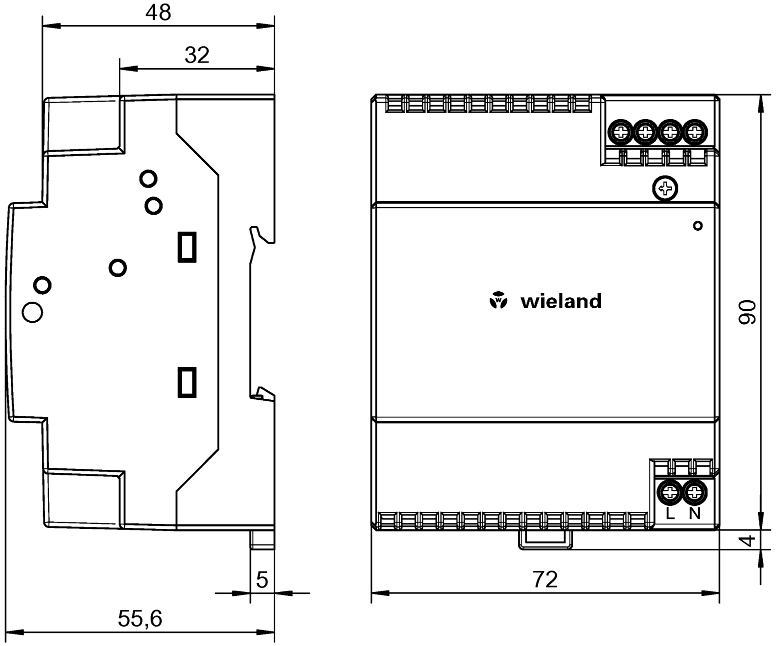
input

type of voltage (input voltage)	
input voltage DC min.	120 V
input voltage DC max.	375 V
min. input voltage	100 V
max. input voltage	240 V
input voltage AC min.	85 V
input voltage AC max.	264 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz
input current, max.	1.1 A
max. starting current	60 A

dimensions

depth	55.6 mm
width	72 mm
height	94 mm
weight	280 g

technical drawing



01-QU-RD-31/21

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

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

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Vertraulichkeitsklasse: Vertraulich
Confidentiality Class: Confidential

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:

Maßstab / Scale

Werkstoff / Material

2025	Tag/Date	Name
gezeichnet drawn	10.11.	Koetzner

Elektronische Freigabe
Electronic Release

	Zeichnung Nr. / Drawing No.	Index
-	81.000.1214.0 01K	-

Maße in mm / Dimensions are in mm

Datei/ File: 049011__01K.DCD

Ersatz für / Replacement for: -

Index | Datum / Blatt Date / Sheet

Änderung / Revision

wieland

Type

Benennung / Title

Teilespezifikation /
Component specification

Schaltnetzteil / Switching Power Supply
wipos PBS1 24-4.2