product data sheet

item no. 81.000.1640.0

switched-mode power supply WIPOS PSU3 48-20

Primary-switched power supply unit wipos PSU3, Push-In connection, DIN rail monting, Input: 350-575 V AC, Output: 45-56 V DC / 20 A, Power: 960 W, efficiency: 95.9%, Power Boost: 1440 W / 7 s , WxHxD: 100x129x172



item no.	81.000.1640.0
EAN	4049088702112
order unit	1 piece(s)

certificates / approvals

technical data

general

connection type	push-In connection//true
number of phases	3 phase power supply
suitable for modular version	no
mounting type, other	no
mounting type, wall mounting	no
rail mounting possible	yes
housing material	metal
operating temperature min.	-25 °C
operating temperature max.	70 °C
relative humidity min.	0 %
relative humidity max.	95 %
storage temperature / transport min.	85 °C
storage temperature / transport max.	-40 °C
degree of protection (IP)	IP20
pollution degree	2

technical data

display	LED
short-circuit protective device	current limiting (hiccup mode)
cooling	free convection
control "Adj"	trimming potentiometer for fine-tuning of U(out)

output

type of output voltage	DC
power output	960 W
output voltage stabilized	yes

output voltage	48 V
min. output voltage	22.5 V
max. output voltage	28.5 V
min. output voltage	45 V
max. output voltage	56 V
Over voltage proctection (OVP)	≤ 59.2 V
output current	20 A

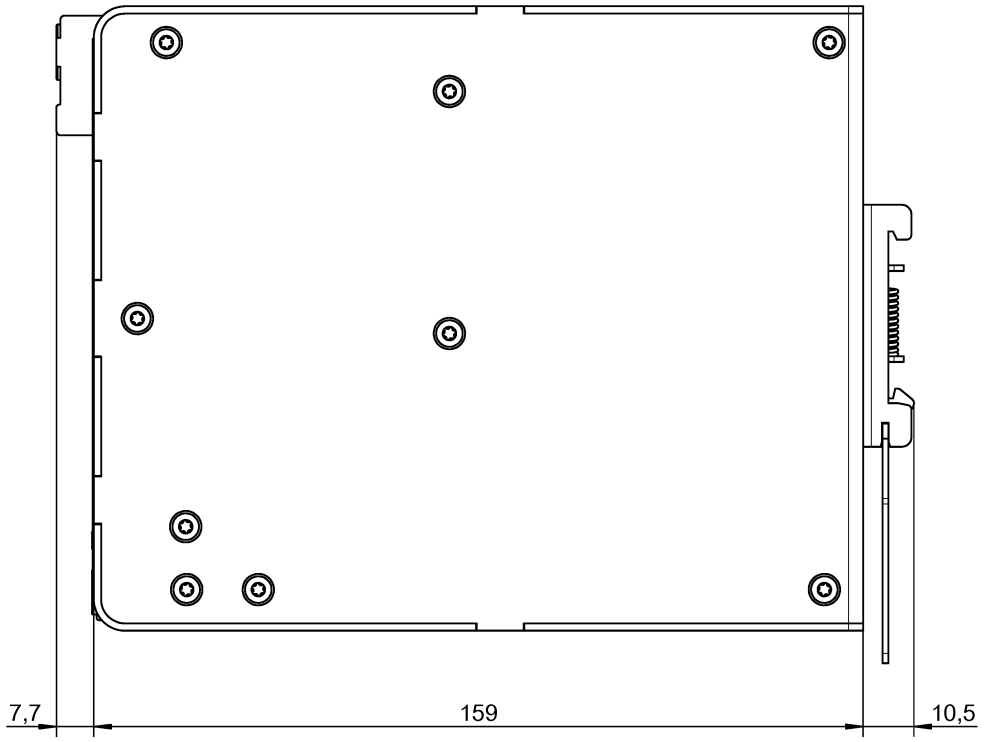
input

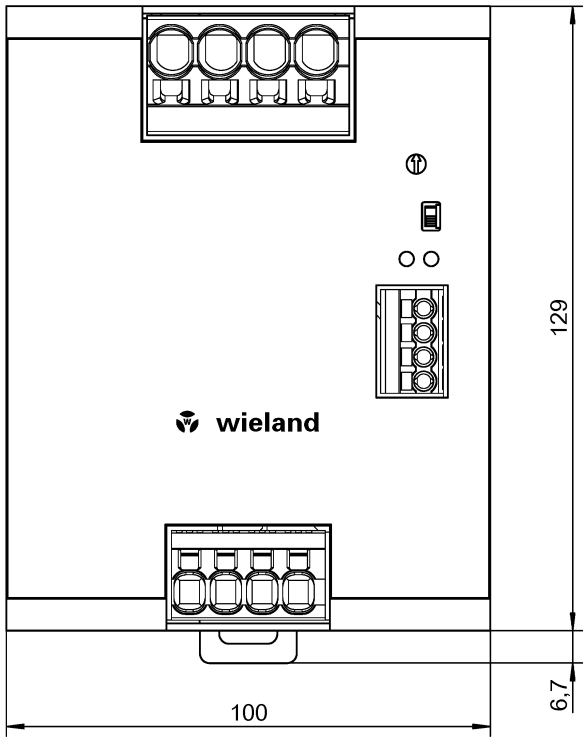
type of voltage (input voltage)	
input voltage DC min.	530 V
input voltage DC max.	675 V
primary voltage range	400 V
min. input voltage	400 V
max. input voltage	500 V
input voltage AC min.	350 V
input voltage AC max.	575 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz
input current, max.	2.2 A
max. starting current	17 A
input fuse	-

dimensions

depth	171.9 mm
width	100 mm
height	129 mm

technical drawing





01-QU-RD-31/21

Teile-Nr. / Part-No.	Typ / Type
81.000.1430.0	wipos PSU3 24-40 P
81.000.1640.0	wipos PSU3 48-20 P

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:

Werkstoff / Material

Maßstab / Scale

	Tag/Date	Name
2024		
gezeichnet / drawn	28.11.	Koetzner

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 81.000.1430.0 01K
Index: -

Maße in mm / Dimensions are in mm

Datei/ File: 048661__01K.DCD

Ersatz für / Replacement for: -

Index | Datum / Blatt Date / Sheet

Änderung / Revision

wieland

Type

Benennung / Title

Teilespezifikation /
Component specification

Schaltnetzteil / Switching Power Supply

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