product data sheet

item no. 81.000.1120.1

switched-mode power supply WIPOS PSU1 24-20 P

Primary-switched power supply unit wipos PSU1, with DC OK contact, Push- In connection, DIN rail monting, Input: 90-264 V AC, Output: 22,5-29 V DC / 20 A, Power: 480 W, Efficiency: 95.1%, Power Boost: 552 W / 200 s , WxHxD: 60x125x129



item no.	81.000.1120.1
EAN	4049088715198
order unit	1 piece(s)

certificates / approvals

technical data

general

connection type	push-In connection//true
number of phases	single phase power supply
suitable for modular version	no
mounting type, other	no
mounting type, wall mounting	no
rail mounting possible	yes
housing material	aluminum
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
cooling	free convection
control "Adj"	trimming potentiometer for fine-tuning of U(out)

output

type of output voltage	DC
power output	480 W
output voltage stabilized	yes
output voltage	24 V

min. output voltage	22.5 V
max. output voltage	29 V
min. output voltage	22.5 V
max. output voltage	29 V
output current	20 A

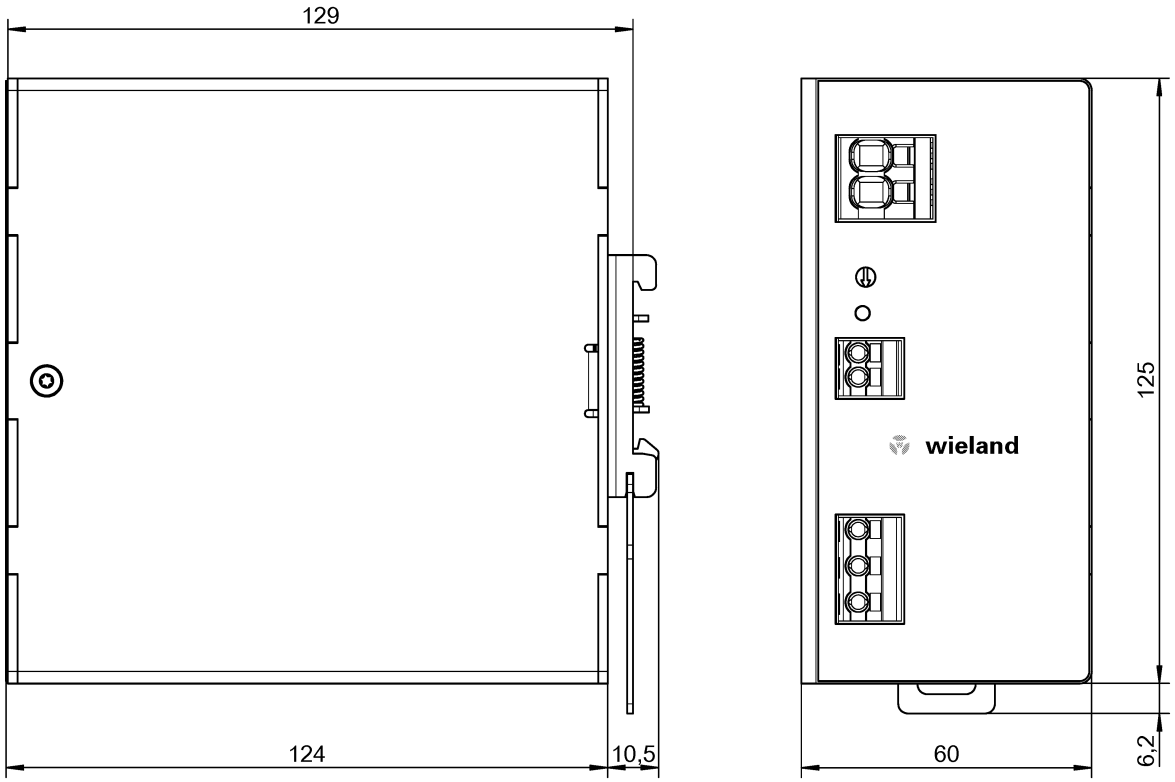
input

type of voltage (input voltage)	
input voltage DC min.	93 V
input voltage DC max.	300 V
primary voltage range	110 V
min. input voltage	100 V
max. input voltage	240 V
input voltage AC min.	90 V
input voltage AC max.	264 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz
input current, max.	0.7 A
max. starting current	29 A

dimensions

depth	129 mm
width	60 mm
height	125 mm

technical drawing



01-QU-RD-31/21

Teile-Nr. / Part-No.	Typ / Type
81.000.1120.1	wipos PSU1 24-20 P
81.000.1120.2	wipos PSU1 24-20 C

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

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

© Alle Rechte vorbehalten
© All rights reserved

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
2025		
gezeichnet drawn	24.09.	Koetzner

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 81.000.1120.1 01K

Index: -

Maße in mm / Dimensions are in mm

Datei/ File: 048951__01K.DCD

Ersatz für / Replacement for: -

Index | Datum / Blatt Date / Sheet

Änderung / Revision

wieland

Type

Benennung / Title

Teilespezifikation /
Component specification

Schaltnetzteil / Switching Power Supply

2026-02-02 09:56:52 1.000