product data sheet

item no. 81.000.6550.0

switched-mode power supply WIPOS PS1 24-20

wipos PS1 switched-mode power supply, nominal voltage: 24 V DC / 20 A (setting range 21,6-27,6 V DC), sustained short-circuit protection, input voltage range: 85-264 V AC / 90-350V DC, single phase, W x H x D: 95 × 125 × 150 mm



item no.	81.000.6550.0
EAN	4049088269677
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	no
mounting type, other	no
mounting type, wall mounting	no
rail mounting possible	yes
housing material	metal
operating temperature min.	-40 °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
protection class	I
pollution degree	2
series Connection possible	yes
number of series switchable device	2
parallel-service possible	yes
number of parallel switchable device	2

technical data

function display	"DC OK" (LED green) (U(o) 17.6...19.4V)
two-Phase use	85...264V AC: a fuse or a protective switch must be connected to the N-terminal.
temperature coefficient	±0.05%/K

ripple and noise	< 0.23 V
hold time 115V AC	> 40 ms
hold time 230V AC	> 40 ms
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm
derating	A. 60 °C ... 70 °C: 2.5 %/K B. 30 °C ... 70 °C: 1.75 %/K
cooling	free convection
MTBF	230,000h
connector cross section (input	0.5-6mm²/0.5-4mm² (AWG20-10/AWG20-12)
connector cross section (output)	2.5-6mm²/2.5-4mm² (AWG14-10/AWG14-12)
wire strip length	8 mm
permissible torque min.	0.5 Nm
permissible torque max.	0.6 Nm
control "Adj"	trimming potentiometer for fine-tuning of U(out)
number of +	2
number of -	3
further terminals	L1, N, PE

output

type of output voltage	DC
power output	480 W
output voltage stabilized	yes
output voltage	24 V
min. output voltage	21.6 V
max. output voltage	27.6 V
Over voltage proctection (OVP)	# 33 V
output current	20 A

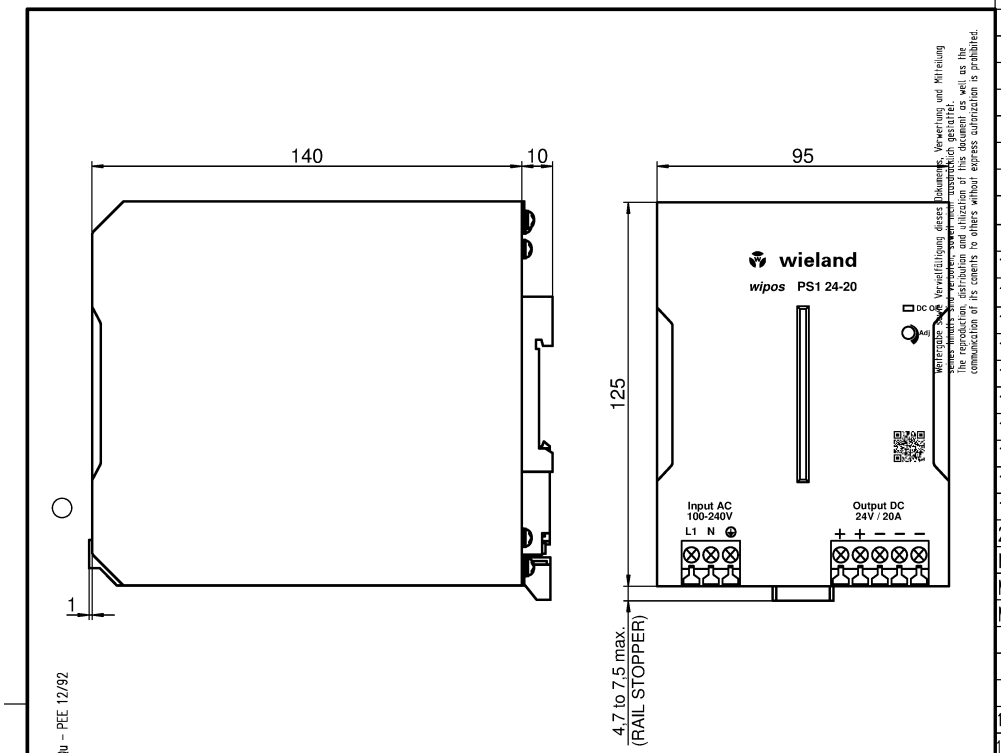
input

type of voltage (input voltage)	
input voltage DC min.	90 V
input voltage DC max.	350 V
input voltage AC min.	85 V
input voltage AC max.	264 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz

dimensions

depth	150 mm
width	95 mm
height	125 mm
mounting distance horizontal	20 mm
mounting distance vertical	75 mm
weight	1500 g

technical drawing



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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	2015	Tag/ Date	Name
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	geprüft checked		
	Normgepr. Stand. check		

Zeichnung Nr./ Drawing No.
81.000.6550.0 01K
Maße in mm/Dimensions are in mm

Datei/ File: 042281__01K.DCD
Ersatz für/ Replacement for:

Index | Datum/ Blatt Date/ Sheet
Änderung/ Revision

wieland
www.wieland-electric.com

Type

Benennung/ Title
Teilespezifikation / Component specification
Schaltnetzteil / Switching Power Supply
wipos PS1 24 V DC / 20 A

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