product data sheet

item no. 81.000.6580.0

switched-mode power supply WIPOS PS3 24-20

wipos PS3 switched-mode power supply, nominal voltage: 24 V DC / 20 A (setting range 22,5-29,5 V DC), sustained short-circuit protection, input voltage range: 320-576 V AC / 450-810 V DC, three-phase, W x H x D: 95 × 125 × 150 mm



item no.	81.000.6580.0
EAN	4049088269707
order unit	1 piece(s)

certificates / approvals

c UL US LISTED

technical data

general

connection type	screw connection
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.	-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
parallel-service possible	no

technical data

display	LED
function display	DC OK U(o) > 19.4V DC
temperature coefficient	±0.05%/K
ripple and noise	< 0.19 V
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm

derating	A. Standard-MountingB. Mounting with front up, max. 480V AC or max. 678V DCC. Mounting with front up, max. 576V AC or max. 810V DC
cooling	free convection
MTBF	280,000h
connector cross section (input	0.5-6mm²/0.5-4mm² (AWG20-10/AWG20-12)
connector cross section (output)	4-6mm²/4mm² (AWG12-10/AWG12)
wire strip length	10 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, -L2, (L3) (CA: Fasi L1/L2/L3, DC: Positivo +L1, Negativo -L2), PE

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	28.5 V
min. output voltage	22.5 V
max. output voltage	29.5 V
Over voltage proctection (OVP)	≤ 33 V
output current	20 A

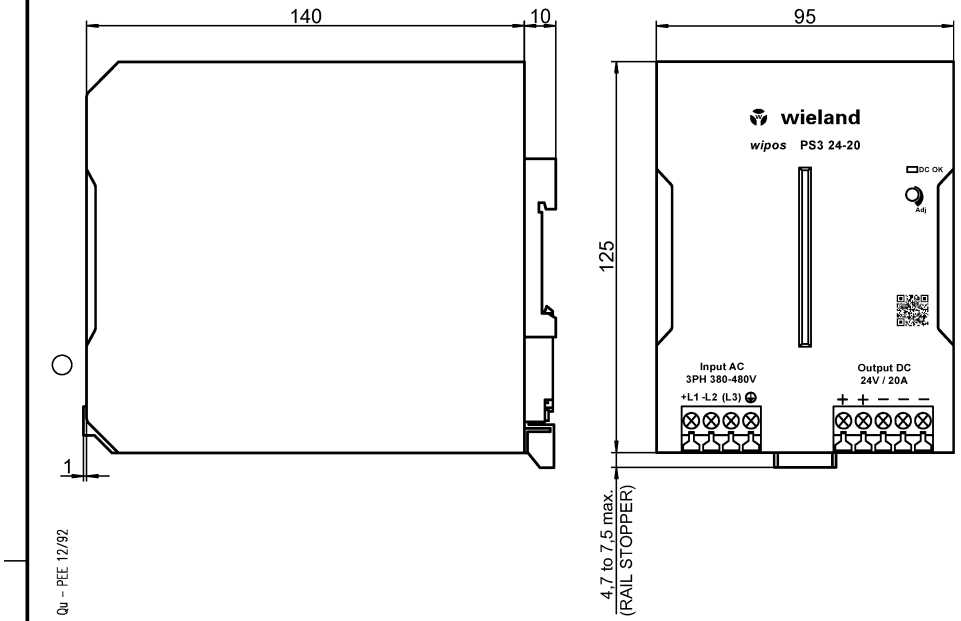
input

type of voltage (input voltage)	
input voltage DC min.	450 V
input voltage DC max.	810 V
min. input voltage	380 V
max. input voltage	480 V
input voltage AC min.	320 V
input voltage AC max.	576 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz
input current, max.	1.2 A
max. starting current	28 A

dimensions

depth	150 mm
width	95 mm
height	125 mm
mounting distance horizontal	20 mm
mounting distance vertical	75 mm
weight	1.6 kg

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
Maßstab/Scale	gezeichnet drawn	20.01.	Koetzner
	geprüft checked		
	Normgepr. Stand. check		

Zeichnung Nr./ Drawing No.
81.000.6580.0 01K
Maße in mm/Dimensions are in mm

Datei/ File: 042311_A01K.DCD
Ersatz für/ Replacement for:

ⓐ 01.12.20	wieland www.wieland-electric.com	Type	Benennung/ Title: Teilespezifikation / Component specification Schaltnetzteil / Switching Power Supply wipos PS3 24 V DC / 20 A
Index Datum/ Blatt Date/ Sheet			
Änderung/ Revision			

81_000_6580_001K_2 CADW4033 Koetzner 2020-12-01T11:05:04 1.000