

product data sheet

item no. 81.000.7530.0

switched-mode power supply WIPOS PSW 24-20

wipos PSW Switch-mode power supply, Nominal output: 24 V DC / 20 A (setting range 23-28V DC), sustained short-circuit protection, Input 1/2/3 phase: 187-550 V AC; 250-725 V DC



item no.	81.000.7530.0
EAN	4049088490439
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
rail mounting possible	yes
housing material	aluminum
operating temperature min.	-40 °C
operating temperature max.	70 °C
relative humidity min.	5 %
relative humidity max.	95 %
storage temperature / transport min.	80 °C
storage temperature / transport max.	-40 °C
degree of protection (IP)	IP20
protection class	I
pollution degree	2
parallel-service possible	yes

technical data

display	LED
function display	DC OK U(o) > 19.4V DC
short-circuit protective device	current limiting (hiccup mode)
ripple and noise	< 0.05 V
isolating voltage Output DC	2.2 kV
derating	-10 W/°C over 45 °C
cooling	free convection
MTBF	> 500'000h at 25°C ambient full load

connector cross section (input)	2.5mm ² (24...12AWG)
connector cross section (output)	2.5mm ² (24...12AWG)
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)
CE-Norm	EN55011, EN61000-3-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-11
shock	IEC 60068-2-27
EMC-version	yes
vibration	IEC 60068-2-6
safety standards	UL508, EN60950, EN61010-1, EN61010-2-201
number of +	2
number of -	3

output

type of output voltage	DC
power output	480 W
output voltage stabilized	yes
output voltage	24 V
min. output voltage	23 V
max. output voltage	28 V
min. output voltage	23 V
max. output voltage	28 V
Over voltage protection (OVP)	≤ 33 V
output current	20 A

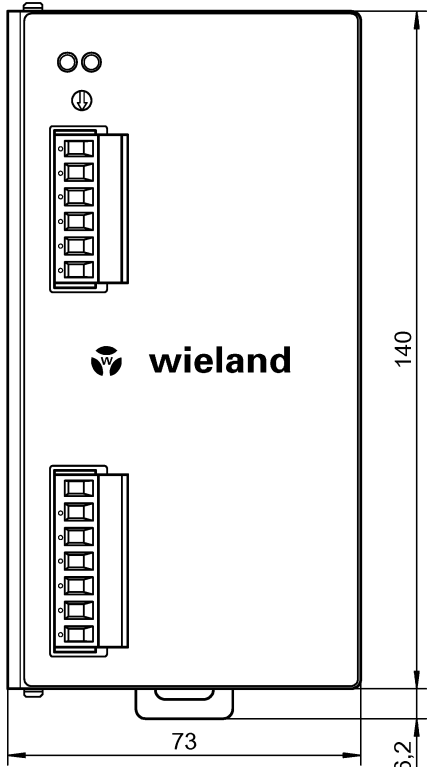
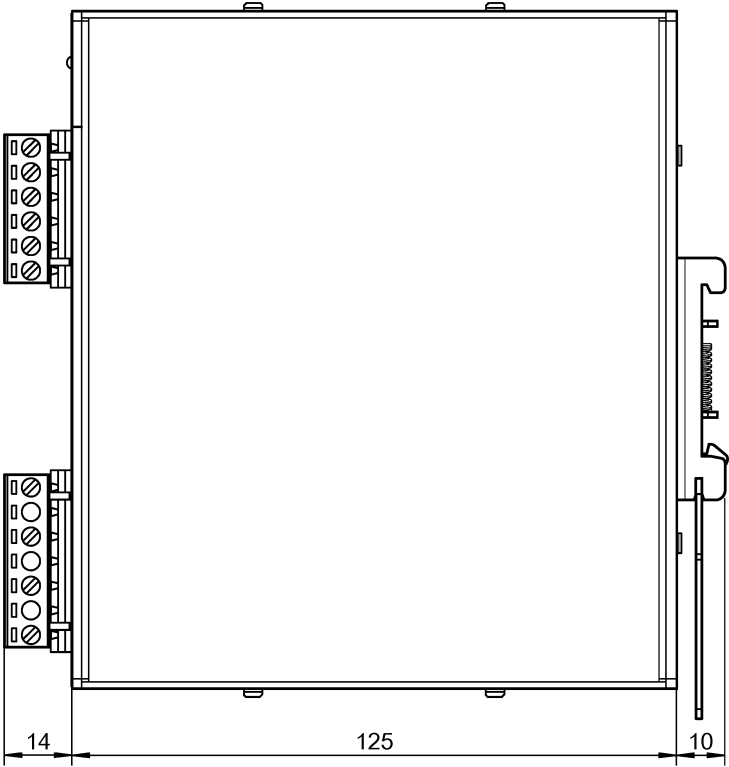
input

type of voltage (input voltage)	
input voltage DC min.	250 V
input voltage DC max.	725 V
input voltage AC min.	187 V
input voltage AC max.	550 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz
input current, max.	2.9 A
max. starting current	55 A
input fuse	no

dimensions

depth	125 mm
width	73 mm
height	140 mm
mounting distance horizontal	20 mm
mounting distance vertical	75 mm
weight	1000 g

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81.000.7530.0	wipos PSW 24-20
81.000.7531.0	wipos PSW 48-10

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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:		Zeichnung Nr. / Drawing No. 81.000.7530.0 01K			
Maßstab/Scale		Werkstoff / Material		Maße in mm / Dimensions are in mm	
2018 gezeichnet drawn geprüft checked Normgepr. Stand. check		Tag/Date 28.11.		Name Koetzner	
Datei / File: 045861__01K.DCD		Ersatz für / Replacement for:			
Type		Benennung / Title Teilespezifikation / Component specification Schaltnetzteil / Switching Power Supply			
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