

Data sheet

Commercial Art.No.: 81.000.6160.0

Switched-mode power supply WIPOS P3 24-5

wipos switched-mode power supply, nominal voltage: 24 V DC / 5A (setting range 22,5-28,5 V DC), sustained short-circuit protection, input voltage range: 340-575 V AC, 480-820 V DC, 3 phase, W x H x D: 75 x 123,6 x 118,2 mm



Commercial Art.No.	81.000.6160.0
EAN	4049088058226
Order Unit	1

Certificates / Approvals



Technical data

General

Connection type	screw connection
Number of phases	3 phase power supply
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.	71 °C
relative humidity min.	20 %
relative humidity max.	95 %
Storage temperature / transport min.	85 °C
Storage temperature / transport max.	-40 °C
Degree of protection (IP)	IP20
Pollution degree	2
Parallel-service possible	No

Technical data

Function display	"DC OK" (LED green) (U(o) 17.6...19.4V)
function display "DC Low"	"DC Low" (LED red)
Short-circuit protective device	Current limiting (hiccup mode)
temperature coefficient	±0,03%/K
ripple and noise	< 0.1 V

isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm
Derating	61°C...71°C: 2,5 %/K
cooling	free convection
MTBF	559,000h
Connector cross section (input)	min. 0,5mm ² (AWG24) max. 6mm ² (AWG10)
Connector cross section (output)	min. 0,5mm ² (AWG24) max. 6mm ² (AWG10)
Wire strip length	8 mm
Permissible torque max.	0.6 Nm
Control "Adj"	trimming potentiometer for fine-tuning of U(out)
CE-Norm	EN61000-6-3, EN 55022 Class B, EN61000-3-2, EN61000-3-3, EN61000-6-2, EN55024, EN61000-4-2, Level 4, EN61000-4-3 Level 3, EN61000-4-4 Level 4, EN61000-4-5 L-N Level 3, L/N-FG Level 4, EN61000-4-6 Level 3, EN61000-4-8 Level 4, EN61000-4-11, ENV 50204 Level 2, EN61204-3
TÜV/safety	EN60950-1, EN61558-1, EN61558-2-16(erfüllt EN60204) , IRAM
Approval cULus	UL 508 Listed, UL60950-1 Recognized
Number of +	2
Number of -	2
Further terminals	L1, L2, L3, N, PE, OK (2x Relay-NO)

Output

Type of output voltage	DC
Power output	120 W
Output voltage stabilized	yes
Output voltage	24 V
Min. output voltage	22.5 V
Max. output voltage	28.5 V
Output current	5 A

Input

Type of voltage (input voltage)	
Power consumption	< 266 VA
Input voltage DC min.	480 V
Input voltage DC max.	820 V
Input voltage AC min.	340 V
Input voltage AC max.	575 V
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Input current, max.	0.5 A
Input current, max.	0.36 A
Max. starting current	10 A
Input fuse	3x T2,0A / 600V AC (intern)
input protection	Varistor (voltage-sensitive resistor)

Dimensions

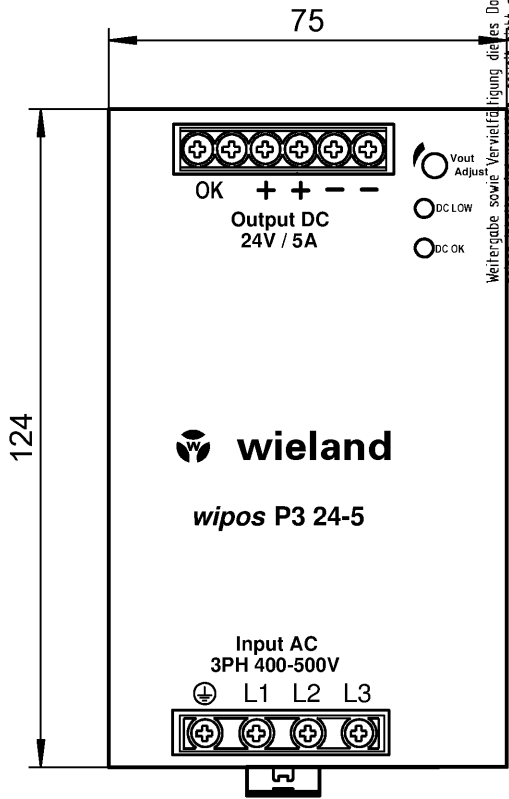
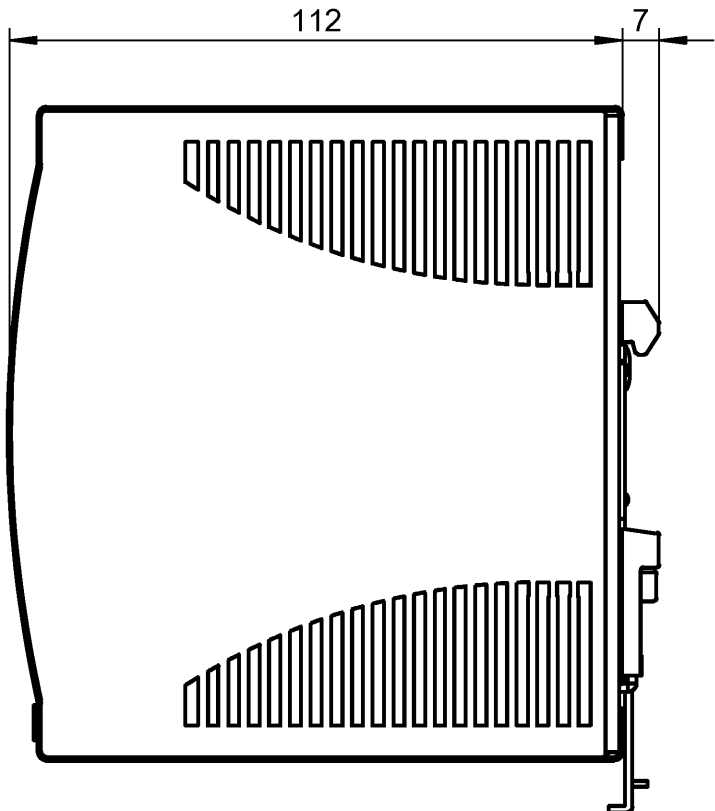
Depth	119 mm
Width	74.3 mm
Height	124 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	800 g

ECLASS 11	
ECLASS 8.1	27049002
ETIM 7.0	EC002540
ETIM 6.0	EC002540
ETIM 5.0	EC002540

Product compliance

ROHS conformity status	Compliant
REACH-SVHC conformity status	Compliant

Qu - PEE 12/92



Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung
 seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet.
 The reproduction, distribution and utilization of this document as well as the
 communication of its contents to others without express authorization is prohibited.

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		2016	Tag/ Date	Name		Zeichnung Nr./ Drawing No.	
				gezeichnet drawn	04.03.	Koetzner		81.000.6160.0 01K	
Maßstab/Scale		geprüft checked		Normgepr. Stand. check		Maße in mm/Dimensions are in mm			
Datei/ File:		032031__01K.DCD		Ersatz für/ Replacement for:					
 wieland www.wieland-electric.com		Type		Benennung/ Title		Teilespezifikation / Component specification			
						Schaltnetzteil / Switching Power Supply wipos P3 24 V DC / 5A			
Index	Datum/ Blatt Date/ Sheet								
Änderung/ Revision									