

## Data sheet

Commercial Art.No.: 81.000.6170.0

Switched-mode power supply WIPOS P3 24-10

wipos switched-mode power supply, nominal voltage: 24 V DC / 10A (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: 89 × 123,6 × 118,2 mm



Commercial Art.No.	81.000.6170.0
EAN	4049088058233
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	yes
Number of parallel switchable device	2

### 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	Strombegrenzung (fold forward)
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	488.000h
Connector cross section (input)	min. 0,5mm <sup>2</sup> (AWG24) max. 6mm <sup>2</sup> (AWG10)
Connector cross section (output)	min. 0,5mm <sup>2</sup> (AWG24) max. 6mm <sup>2</sup> (AWG10)
Wire strip length	8 mm
Permissible torque max.	0.6 Nm
Control "Single / Parallel"	Operating mode: single operation / parallel operation
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	240 W
Output voltage stabilized	yes
Output voltage	24 V
Min. output voltage	22.5 V
Max. output voltage	28.5 V
Output current	10 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
Max. starting current	20 A
Input fuse	3x T2,0A / 600V AC (intern)
input protection	Varistor (voltage-sensitive resistor)

#### Dimensions

Depth	119 mm
Width	90 mm
Height	124 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	1.1 kg

#### Classification

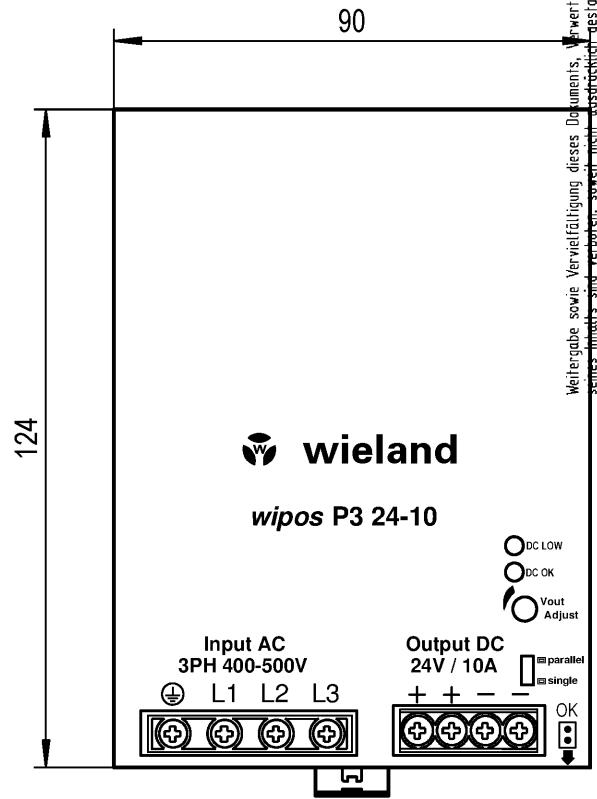
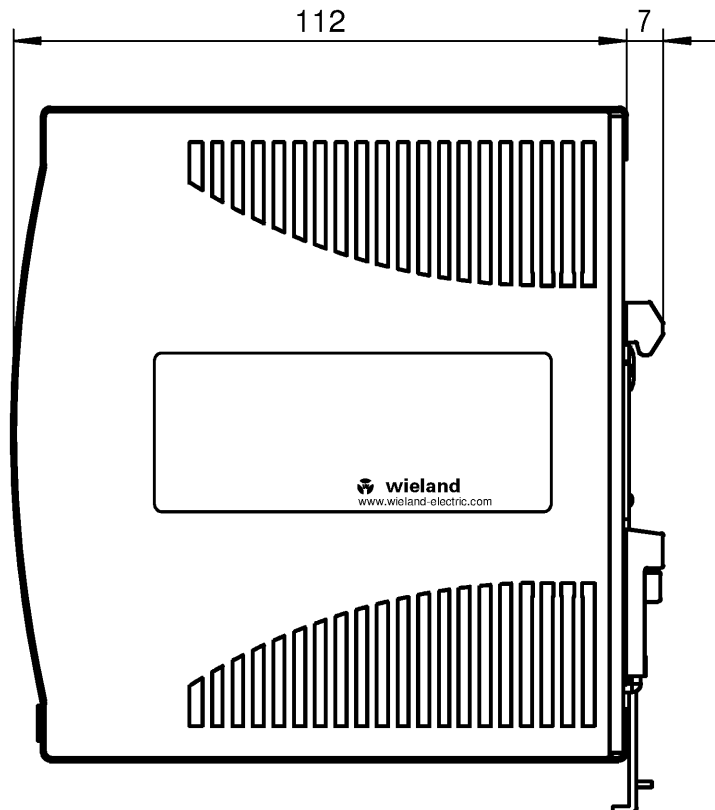
ECLASS 11	
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ECLASS 8.1	27049002
ETIM 7.0	EC002540
ETIM 6.0	EC002540
ETIM 5.0	EC002540

**Product compliance**

ROHS conformity status	Compliant
REACH-SVHC conformity status	Compliant

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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:	
		Werkstoff/ Material		2014	Tag/ Date	Zeichnung Nr./ Drawing No.		
				gezeichnet drawn	23.10.	81.000.6170.0 01K		
Maßstab/Scale				geprüft checked		Maße in mm/Dimensions are in mm		
		Datei/ File: 030091__01K.DCD		Normgepr. Stand. check		Ersatz für/ Replacement for:		
		 www.wieland-electric.com		Type	Benennung/ Title			
Index				Teilespezifikation / Component specification				
Datum/ Blatt Date/ Sheet				Schaltnetzteil / Switching power supply				
Änderung/ Revision				wipos P3 24 VDC / 10 A				

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