

## Data sheet

Commercial Art.No.: 81.000.6590.0

Switched-mode power supply WIPOS PS3 24-40

wipos PS3 switched-mode power supply, nominal voltage: 24 V DC / 40 A (setting range 22,5-29,5 V DC), sustained short-circuit protection, input voltage range: 320-576 V AC, three-phase, W x H x D: 135 × 125 × 180 mm



Commercial Art.No.	81.000.6590.0
EAN	4049088269714
Order Unit	1

Certificates / Approvals



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## 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.	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	< 0.09 V
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm

Derating	At standard-mounting: A. 3PH ... 576V AC, Under 340V AC: U(O) max. 28,5V, max. 60% Last B. 2PH 380 ... 576V AC: U(O) max. 26,4V C. 2PH 360 ... 380V AC: U(O) max. 26,4V, Weigth max. 60% or Curve C Mounting with front up: D. 3PH 340 ... 576V AC, Under 340V AC: U(O) max. 28,5V, Weight max. 60% E. 2PH 380 ... 480 V AC: U(O) max. 16,4V F. 2PH 480 ... 576V AC: at 2PH 340 ... 380V AC: U(O) max. 26,4V, Weight max. 60% or Curve F
cooling	free convection
MTBF	260.000h
Connector cross section (input)	0.5-6mm <sup>2</sup> /0.5-4mm <sup>2</sup> (AWG20-10/AWG20-12)
Connector cross section (output)	4-6mm <sup>2</sup> /4mm <sup>2</sup> (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	960 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
Output current	40 A

### Input

Type of voltage (input voltage)	
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.	2.1 A
Max. starting current	28 A

### Dimensions

Depth	180 mm
Width	135 mm
Height	125 mm
Mounting Distance horizontal	20 mm
Mounting Distance vertical	75 mm
Weight	2.7 kg

### Classification

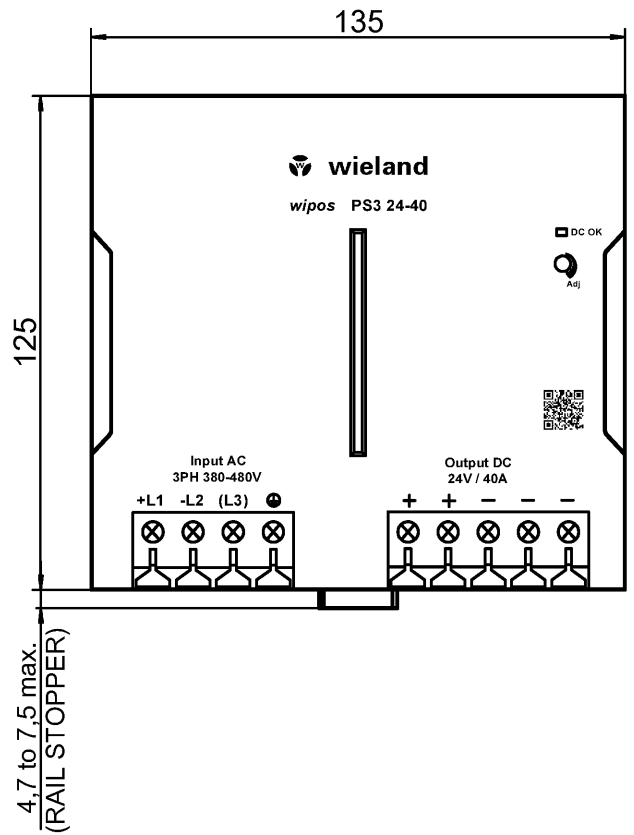
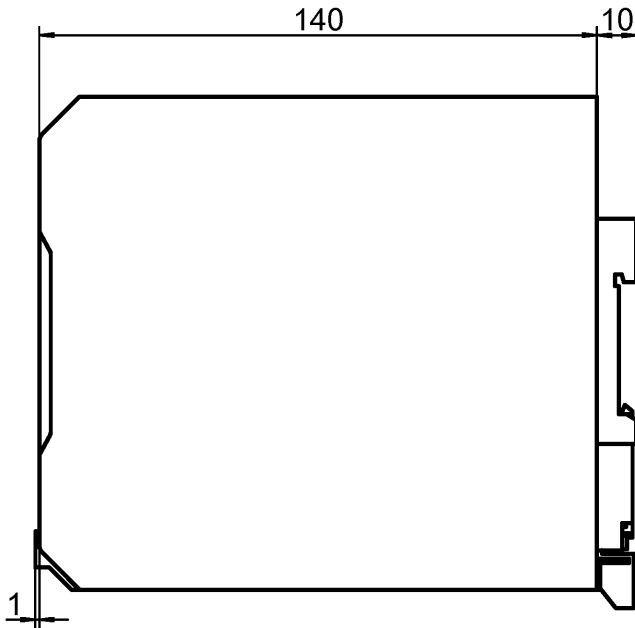
ECLASS 11	
ECLASS 8.1	27049002

ETIM 7.0	EC002540
ETIM 6.0	EC002540
ETIM 5.0	EC002540

**Product compliance**

REACH-SVHC conformity status	Compliant
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Weitere Angaben siehe KATALOG oder eKatalog.  
Additional data see CATALOG or eCatalog.

[www.wieland-electric.com](http://www.wieland-electric.com)  
[eshop.wieland-electric.com](http://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	Zeichnung Nr./ Drawing No.		
				gezeichnet drawn	20.01.	81.000.6590.0 01K		
Maßstab/Scale				geprüft checked		Maße in mm/Dimensions are in mm		
		Datei/ File: 042321_A01K.DCD		Normgepr. Stand. check		Ersatz für/ Replacement for:		
		 www.wieland-electric.com		Type		Benennung/ Title		
						Teilespezifikation / Component specification		
						Schaltnetzteil / Switching Power Supply wipos PS3 24 V DC / 40 A		
① 01.12.20 Datum/ Blatt Date/ Sheet								
Änderung/ Revision								