

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



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	< 0.09 V
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm
derating	For standard mounting: A. 3PH 340 ... 576 V AC, below 340 V AC: U(O) max. 28,5 V, max. 60% load B. 2PH 380 ... 576 V AC: U(O) max. 26.4 V C. 2PH 360 ... 380 V AC: U(O) max. 26.4 V, max. 60% load or curve C Mounting with front up: D. 3PH 340 ... 576 V AC, below 340 V AC: U(O) max. 28.5 V, load max. 60 % E. 2PH 380 ... 480 V AC: U(O) max. 26.4 V F. 2PH 480 ... 576 V AC: at 2PH 340 ... 380 V AC: U(O) max. 26.4 V, load max. 60% or curve F
cooling	free convection
MTBF	260,000h
connector cross section (input)	0.5-6mm ² /0.5-4mm ² (AWG20-10/AWG20-12)
connector cross section (output)	4-6mm ² /4mm ² (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
Over voltage protection (OVP)	≤ 33 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 9.0	EC002540
ETIM 8.0	EC002540
ETIM 7.0	EC002540
ETIM 6.0	EC002540
ETIM 5.0	EC002540

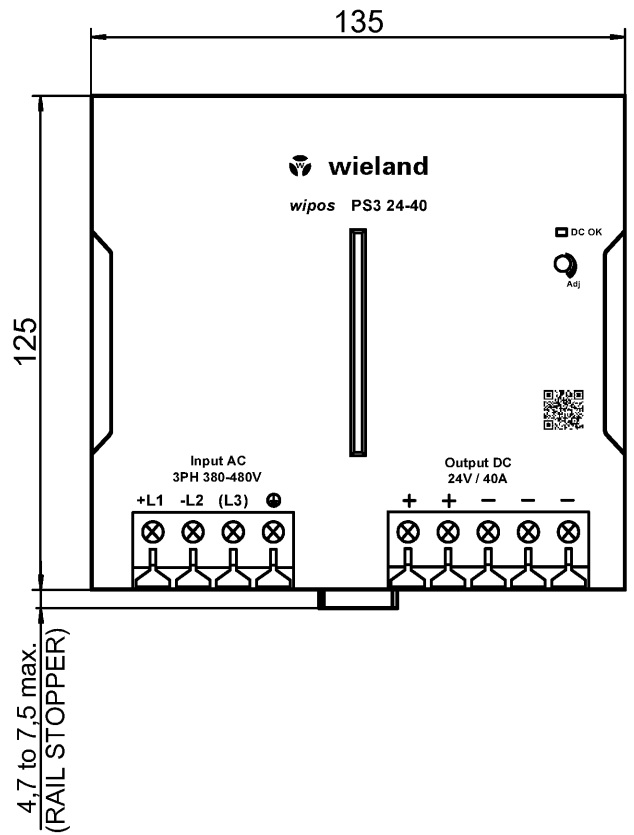
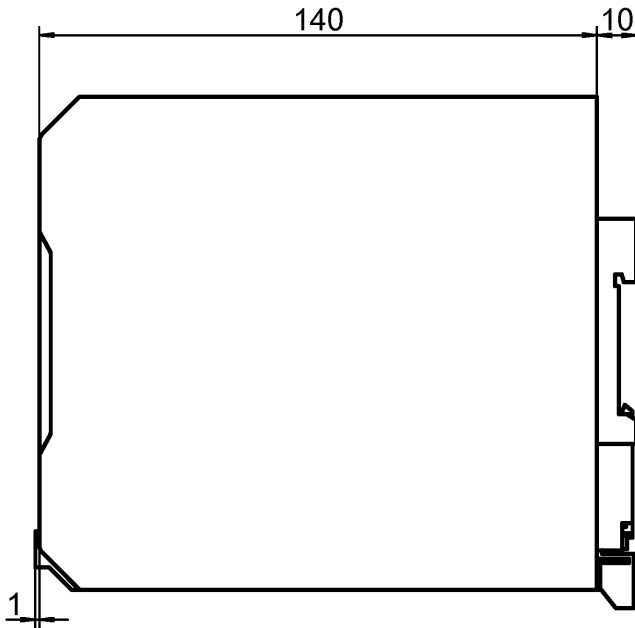
product compliance

ROHS conformity status	compliant/exempted
ROHS exceptions	III-6(c)
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1

Accessories

Commercial Art.No.:	Article-type description:	Description:
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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				
		Datei/ File: 042321_A01K.DCD		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		
Zeichnung Nr./ Drawing No. <h1>81.000.6590.0 01K</h1>		Maße in mm/Dimensions are in mm						
Datum/ Blatt Date/ Sheet 01.12.20		Änderung/ Revision						