

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



LR

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, Weight 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 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
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

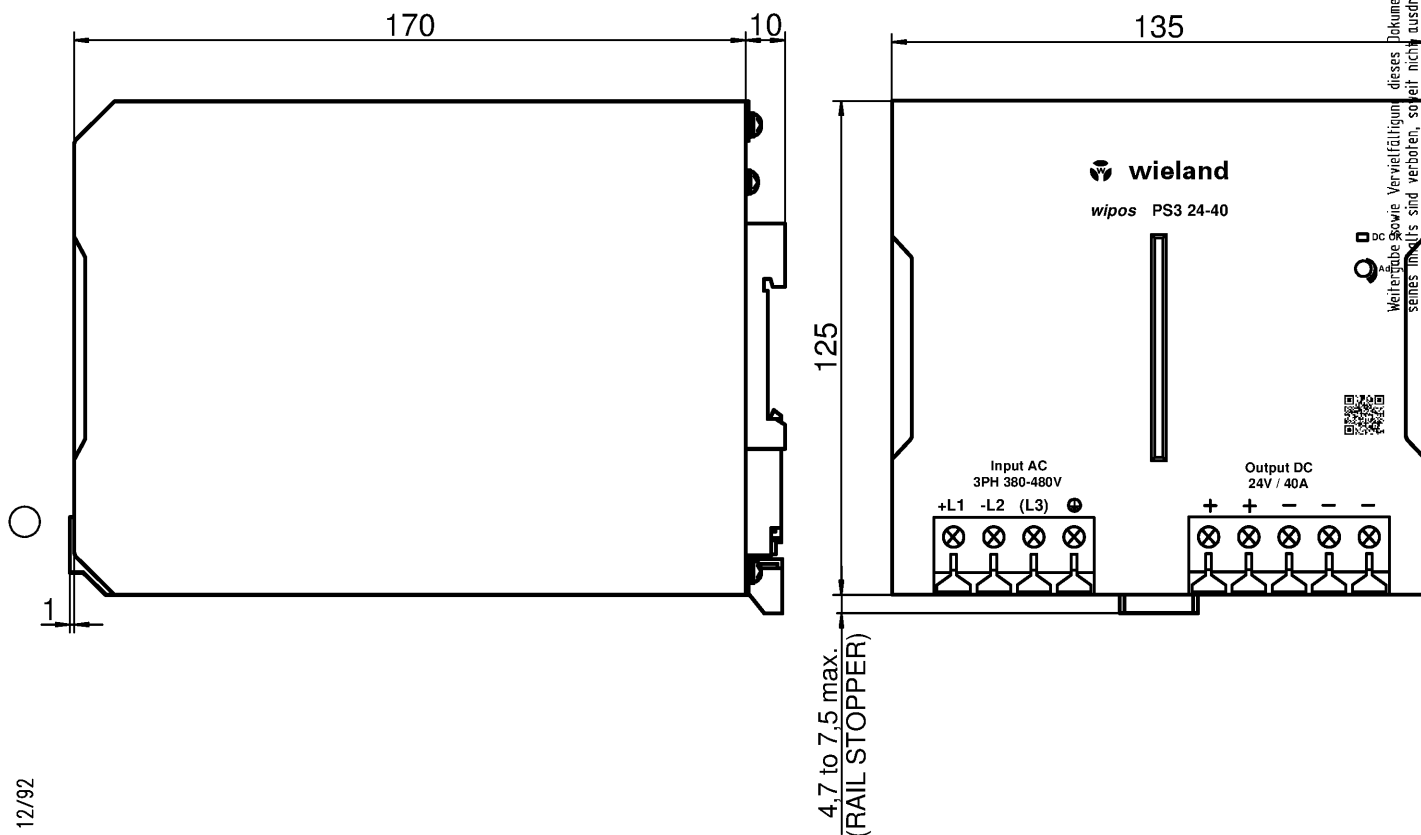
Dimensions

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 8.1	27049002
ETIM 7.0	EC002540

ETIM 6.0	EC002540
ETIM 5.0	EC002540
ETIM 3.0	EC001039



Qu - PEE 12/92

Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eKatalog.

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	Zeichnung Nr./ Drawing No. 81.000.6590.0 01K		
				gezeichnet drawn	20.01.	Kötzner			
		Maßstab/Scale		geprüft checked			Maße in mm/Dimensions are in mm		
				Normgepr. Stand. check					
			Datei/ File: 042321__01K.DCD			Ersatz für/ Replacement for:			
		 wieland www.wieland-electric.com			Type	Benennung/ Title Teilespezifikation / Component specification Schaltnetzteil / Switching Power Supply wipos PS3 24 V DC / 40 A			
Index	Datum/ Blatt Date/ Sheet								
Änderung/ Revision									

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.