

Data sheet

Commercial Art.No.: 81.000.6230.0

Uninterruptible power supply USV-DC WIPOS UPS 20-960

wipos Uninterruptible power supply (UPS); Combi unit DC-UPS and DC-DC converter; Bridges longer power failures in combination with a battery module and power supply; Integrated battery charge controller and battery monitoring function for 12..48V batteries; Supports lead acid batteries, nickel and lithium batteries up to 400Ah; Can also be used in conjunction with Supercab modules; Battery voltage independent of input and output voltage; Input nominal 12-48 V DC; Battery connection 10-60 V DC; Load output nominal 12-48 V DC (= V_{in} for UPS, depending on DC-DC mode setting) / max. 20A; External input with programmable function, 2x programmable relay output, 4 operating buttons and graphic color display for status and alarm messages; Operation / setting and diagnostics with wiposPlan software; Modbus via USB and RS485 interface for operation and diagnostics; W x H x D: 54 x 115 x 110 mm



Commercial Art.No.	81.000.6230.0
EAN	4049088486814
Order Unit	1

Certificates / Approvals



Technical data

General

Connection type	screw connection
Rail mounting possible	yes
Housing material	aluminum
Operating temperature min.	-40 °C
Operating temperature max.	80 °C
relative humidity min.	5 %
relative humidity max.	95 %
Storage temperature / transport min.	80 °C
Storage temperature / transport max.	-40 °C
Degree of protection (IP)	IP20
Pollution degree	2

Technical data

Number of inputs	2
Number of HW-interfaces RS485	1
Number of HW-interfaces USB	1
Display	LED
Function display	1,5" color graphic LCD
MTBF	> 600'000h at 25°C ambient full load
Connector cross section (input)	2,5mm ² (24...12AWG)
Connector cross section (output)	2,5mm ² (24...12AWG)
CE-Norm	EN55011, EN55022, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN60529

Shock	IEC 60068-2-27
EMC-version	yes
Vibration	IEC 60068-2-6
Safety Standards	UL508, EN60950
battery type	Lead Acid, Nickel, Lithium, SUpercap capacitors
Output protection battery	Overcurrent, Deep discharge, Reverse polarity
charging current > 10Ah	20 A

Output

Power output	960 W
Output voltage	24 V
Min. output voltage	12 V
Max. output voltage	48 V
Output current	20 A
Output protection battery	Overcurrent, Deep discharge, Reverse polarity

Input

Type of voltage (input voltage)	
Power consumption	< 4 W
Input voltage DC min.	10 V
Input voltage DC max.	60 V
Input current, max.	20 A

Dimensions

Depth	134 mm
Width	54 mm
Height	123.7 mm
Weight	500 g

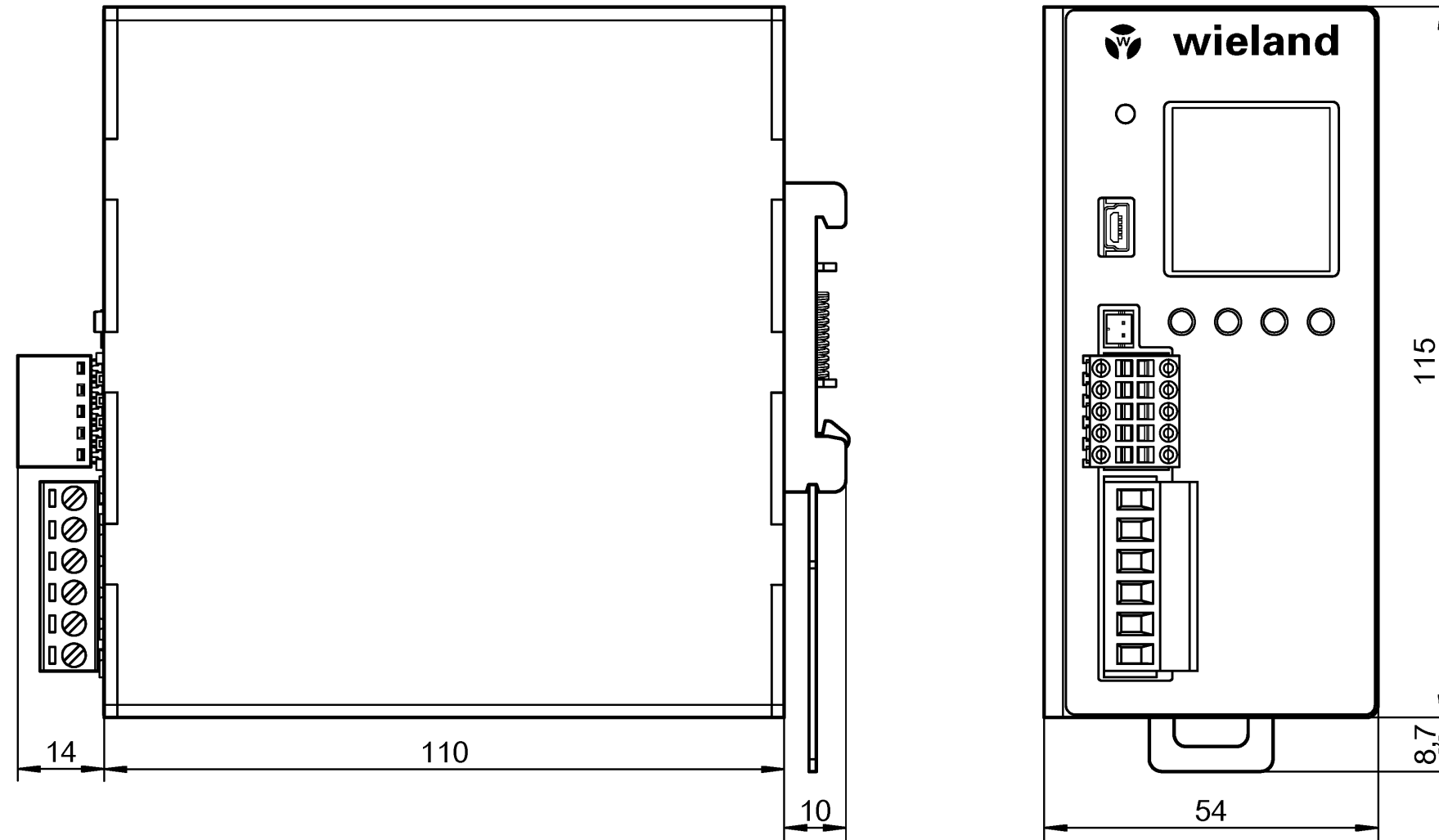
Classification

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

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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 <input checked="" type="checkbox"/> 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		2018	Tag/Date	Name	Zeichnung Nr. / Drawing No.
		Maßstab/Scale		gezeichnet drawn	28.11.	Koetzner	81.000.6230.0 01K
				geprüft checked			Maße in mm / Dimensions are in mm
				Normgepr. Stand. check			
Datei / File: 045841__01K.DCD				Ersatz für / Replacement for:			
		wieland www.wieland-electric.com		Type	Benennung / Title	Teilespezifikation / Component specification	
Index		Datum / Blatt Date / Sheet				USV-DC wipos UPS 20-960	
Änderung / Revision							

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