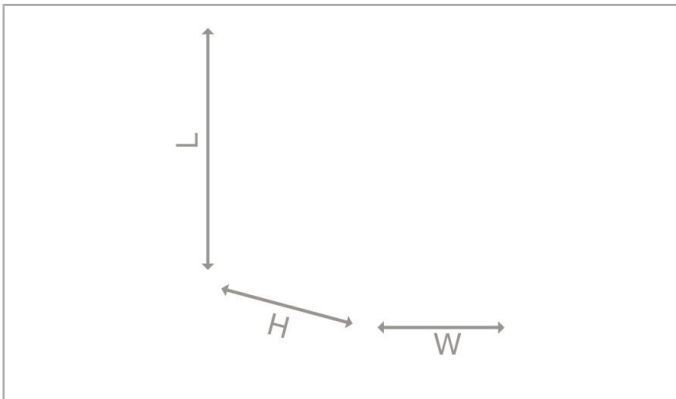
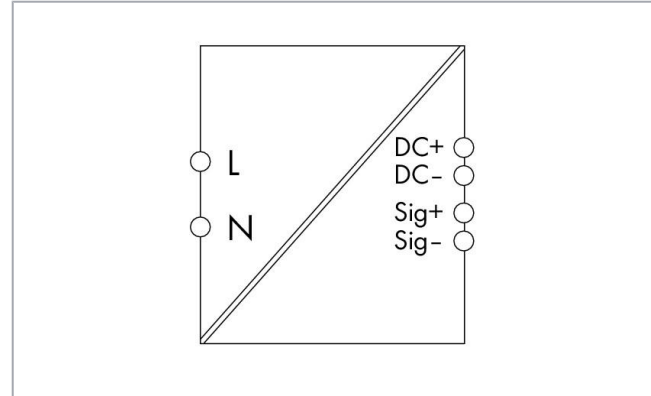
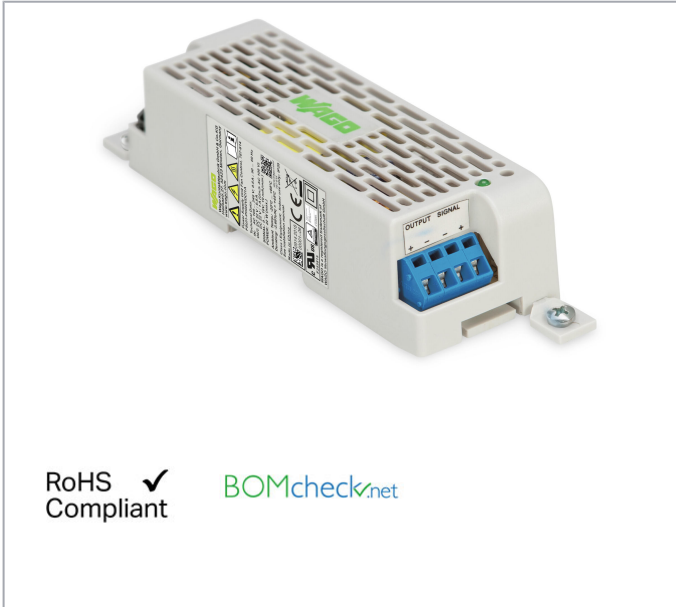


## Data sheet | Item number: 787-914

Power supply for fan control, 22 V, 1 A; Output voltage: 12 ... 22 V; adjustable via voltage signal 0-10 V

[www.wago.com/787-914](http://www.wago.com/787-914)



### Item description

#### Features:

- Power supply for small loads that operate at a variable input voltage
- The output voltage can be adjusted linearly by hand or via an analog voltage signal (0 ... 10 V) in the range from 12 to 22 V, e.g., for automatically controlling fan speed in control cabinets.
- Flat design allows installation in confined spaces.
- Variable mounting options for space-saving installation, e.g., in recesses

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

## Data

### Technical data

#### Input

Nominal input voltage $U_{i\text{nom}}$	AC 100 ... 240 V
Input voltage range	AC 90 ... 264 V; DC 130 ... 373 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current $I_i$	$\leq 0.6$ A
Discharge current	$\leq 1$ mA
Inrush current	$\leq 18$ A
Power factor	$\geq 0.45$
Power factor correction (PFC)	Not required
Mains failure hold-up time	$\geq 15$ ms

#### Output

Nominal output voltage $U_{o\text{nom}}$	DC 22 V
Output voltage range	DC 12 ... 22 V (adjustable by hand or via signal input)
Default setting	DC 22 V
Nominal output current $I_{o\text{nom}}$	0.8 A (< 110 VAC); 1 A (110 ... 240 VAC)
Control deviation	$\leq 1$ %
Deviation, dynamic load change 10 ... 90 %	$\leq 1$ %
Residual ripple	$\leq 100$ mV (peak-to-peak)
Overload behavior	Constant power (in overload range: $1.05 \dots 1.7 \times I_{o\text{nom}}$ ); Hiccup in the event of a short circuit or permanent overload

#### Signaling and communication

Signaling	1 x Status indication LED (green) 1 x Signal input (10 VDC)
Operation status indicator	Green LED ( $U_o$ )
Input impedance	10 k $\Omega$

#### Efficiency/power losses

Power loss $P_l$	$\leq 0.8$ W (No load)
Power loss (max.) $P_{l(\text{max})}$	4 W

Subject to changes. Please also observe the further product documentation!



Efficiency (typ.)	84 % (230 VAC); 80 % (110 VAC)
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### Circuit protection

Internal fuse	1 A / 250 VAC
Recommended backup fusing	Circuit breaker: B6, C4 or higher

### Safety and protection

Isolation voltage (Pri.-Sec.)	DC 4.242 kV
Protection class	II
Protection type	IP20 (per EN 60529)
Reverse voltage protection	Yes (Signal input)
Resistance to reverse feed	≤ DC 31 V
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	Yes (signal input) ≤ 31 VDC (output; in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 500,000 h (at 25 °C per IEC 61709)

### Connection data

Connection technology	CAGE CLAMP®
WAGO Connector	WAGO 236 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch

### Physical data

Width	45 mm / 1.77 inch
Height	138 mm / 5.433 inch
Depth	35 mm / 1.38 inch
Note (dimensions)	Height: 156 mm (with fastening clips)

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## Mechanical data

Mounting type	DIN-35 rail Screw mount
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## Material data

Weight	160 g
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## Environmental requirements

Surrounding air temperature (operation)	-20 ... 60 °C
Surrounding air temperature (storage)	-25 ... 75 °C
Relative humidity	20 ... 90 % (no condensation permissible)
Derating	-2.47 %/K (> 45 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721; except for low air pressure)

## Standards and specifications

Conformity marking	CE
Standards/Specifications	UL 60950; EN 61204-3; EN 62368-1; EN 61000-6-3

## Commercial data

Packaging type	BOX
Country of origin	CN
GTIN	4055143576239
Customs tariff number	85044082900

## Approvals / Certificates

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815

Subject to changes. Please also observe the further product documentation!



## Downloads

### Documentation

#### Bid Text

787-914 X81 - Datei	30. 9. 2019	xml 8.1 kB	Download
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787-914 docx - Datei	30. 9. 2019	docx 23.4 kB	Download
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#### Instruction Leaflet

Power Supply for Fan Control Fan Control Power	V 1.1.1 20. 8. 2019	pdf 1.5 MB	Download
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#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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## CAD/CAE-Data

### CAE data

EPLAN Data Portal 787-914		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 787-914 Power supply for fan control, 22 V, 1 A; Output voltage: 12 ... 22 V; adjustable via voltage signal 0-10 V		URL	Download
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## Installation Notes

Subject to changes. Please also observe the further product documentation!