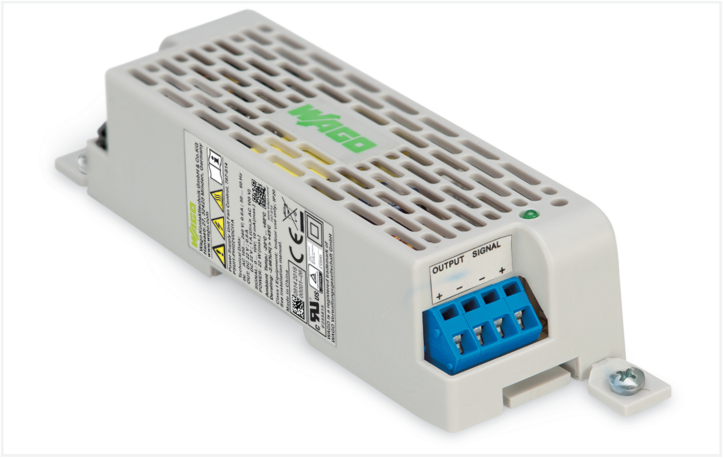
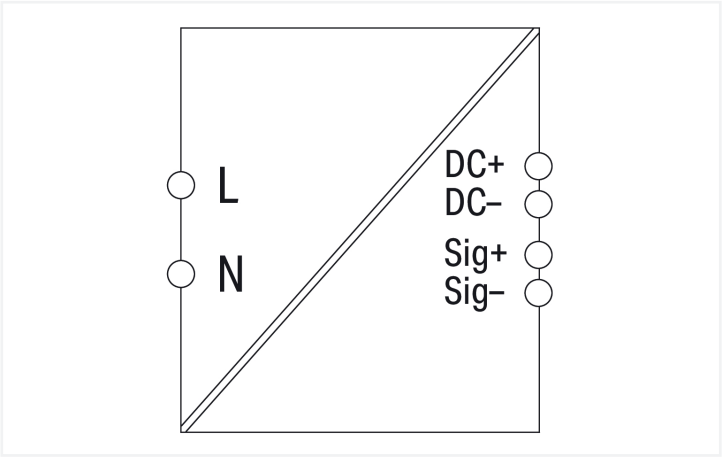
Data Sheet | Item Number: 787-914

Switched-mode power supply; 1-phase; Output voltage: 22 VDC; 1 A output current

https://www.wago.com/787-914





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

Technical data

Input

Nominal input voltage $U_{i\,nom}$	100 … 240 VAC
Input voltage range	90 … 264 VAC; 130 … 373 VDC
Nominal mains frequency range	47 … 63 Hz; 0 Hz
Input current I_i	≤ 0.6 A
Discharge current	≤ 1 mA
Inrush current	≤ 18 A
Power factor	≥ 0.45
Power factor correction (PFC)	Not required
Mains failure hold-up time	≥ 15 ms

Output

Nominal output voltage $U_{o\,nom}$	22 VDC
Output voltage range	12 … 22 VDC (adjustable by hand or via signal input)
Default Setting	DC 22 V
Nominal output current $I_{o\,nom}$	0.8 A (
Deviation	≤ 1 %
Deviation, dynamic load change 10 … 90 %	≤ 1 %
Residual ripple	≤ 100 mV (peak-to-peak)
Overload behavior	Constant power (in overload range: 1.05 … 1.7 x $I_{o\,nom}$); 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 signal (voltage)	0 … 10 V
Input impedance	10 kΩ

Efficiency/power losses

Power loss P_l	≤ 0.8 W
Power loss (max.) $P_{l\,(max.)}$	4 W
Efficiency (typ.)	84 % (230 VAC); 80 % (110 VAC)

Circuit protection

Internal fuse	1 A / 250 VAC
Backup fusing (recommended)	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	≤ 31 VDC
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 1

Connection technology	CAGE CLAMP®
WAGO connector	WAGO 236 Series
Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length	5 … 6 mm / 0.2 … 0.24 inches

Physical data

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

Mechanical data

Mounting type	DIN-35 rail Screw mount

Material data

Fire load	0.093 MJ
Weight	160 g

Environmental requirements

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

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Standards and specifications

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

Commercial data

eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 8.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143576239
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Bulgaria)	b40fb75b-54ae-491b-abc5-2faec600fd9a
SCIP notification number (Czech Republic)	7cf49fdf-4a9c-496f-a3a0-70f630107f63

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UR Underwriters Laboratories Inc.	UL 60950-1	E255815

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-914

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Documentation

Bid Text

787-914	30.09.2019	xml 7.86 KB	
787-914	30.09.2019	docx 22.85 KB	

Instruction Leaflet

Power Supply for Fan Control	V 1.1.1 20.08.2019	pdf 1430.19 KB	

CAD/CAE-Data

CAE data

EPLAN Data Portal 787-914	