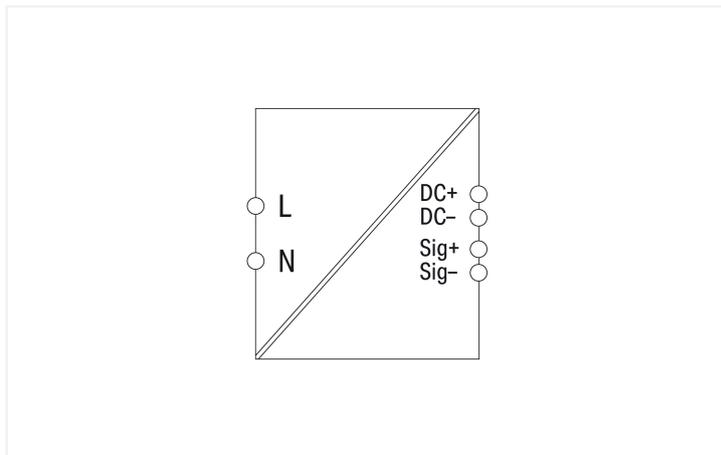


Data Sheet | Item Number: 787-914

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 $U_{i, \text{nom}}$	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 $U_{o, \text{nom}}$	22 VDC
Output voltage range	12 ... 22 VDC (adjustable by hand or via signal input)
Default Setting	22 VDC
Nominal output current $I_{o, \text{nom}}$	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 $\times I_{o, \text{nom}}$); 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 signal (voltage)	0 ... 10 V
Input impedance	10 k Ω

Efficiency/Power Losses

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

Circuit Protection

Internal fuse	1 A / 250 VAC
Backup fuse (recommended)	Circuit breaker: B6, C4 or higher

Safety and protection

Isolation voltage (pri.-sec.)	4.242 kVDC
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
Overtoltage 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 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 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
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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)

Standards and Specifications

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

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143576239
Customs tariff number	85044083900

Product Classification

UNSPSC	39121004
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

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 Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 787-914



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	
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CAD/CAE-Data

CAE data

EPLAN Data Portal
787-914

