

Data sheet | Item number: 787-1211

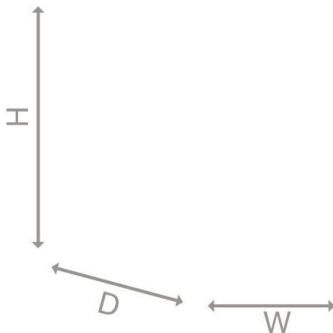
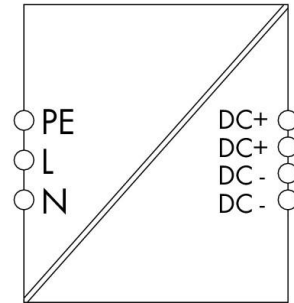
Switched-mode power supply; Compact; 1-phase; 12 VDC output voltage; 5 A output current; DC-OK LED

www.wago.com/787-1211



RoHS
Compliant

BOMcheck.net



Item description

Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Removable front panel and screw mounts for alternative installation in distribution boxes or devices
- Pluggable *picoMAX*[®] Connection Technology (tool-free)
- Suitable for both parallel and series operation

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

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- Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204

Data

Technical data

Input

Phases	1
Nominal input voltage $U_{i\text{ nom}}$	1 x AC 100 ... 240 V; DC 140 ... 340 V
Input voltage range	AC 85 ... 264 V; DC 125 ... 375 V
Input voltage derating	-2 %/V (< 100 VAC); -1.33 %/V (< 140 VDC)
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current I_i	≤ 0.6 A
Discharge current	≤ 0.25 mA
Inrush current	≤ 30 A (NTC)
Power factor	≥ 0.5
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 600 ms (230 VAC); ≥ 12 ms (110 VAC)

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 12 V (SELV)
Output voltage range	DC 10 ... 14 V (adjustable)
Default setting	DC 12 V
Nominal output current $I_{o\text{ nom}}$	5 A
Nominal output power	60 W
Control deviation	≤ 1 %
Deviation, dynamic load change 10 ... 90 %	≤ 1 %
Residual ripple	≤ 100 mV (peak-to-peak)
Overload behavior	Constant power (in overload range: $1.22 \dots 1.7 \times I_{o\text{ nom}}$); Hiccup in the event of a short circuit or permanent overload

Signaling and communication

Signaling	1 x LED DC OK (green)
Operation status indicator	Green LED (U_o)

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



Efficiency/power losses

Power loss P_I	$\leq 0.6 \text{ W}$ (230 VAC; No load)
Power loss (max.) $P_{I(\text{max.})}$	9 W (100 VAC / 12 VDC; 2.5 A)
Efficiency (typ.)	88.5 % (230 VAC; Nominal load); 87.5 % (110 VAC; Nominal load)

Circuit protection

Internal fuse	T 3.15 A / 250 VAC
Required backup fusing	An external DC fuse is required for the DC input voltage.
Recommended backup fusing	Circuit breaker: 6 A, 10 A or higher; Tripping characteristic: B

Safety and protection

Isolation voltage (Pri.-Sec.)	DC 4.242 kV
Isolation voltage (Pri.-GND)	DC 2.12 kV
Protection class	I
Protection type	IP20 (per EN 60529)
Resistance to reverse feed	$\leq \text{DC } 16 \text{ V}$
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	$\leq 20 \text{ VDC}$ (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes, for devices of the same type
Series operation	Yes, for 2 devices of the same type
MTBF	> 500,000 h (per IEC 61709)

Connection data

Connection type (1)	Input/Output
Connection technology	Push-in CAGE CLAMP®
WAGO Connector	picoMAX® 5.0, WAGO 2092 Series
Solid conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

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Physical data

Width	72 mm / 2.835 inch
Height	90 mm / 3.543 inch
Depth	56 mm / 2.205 inch
Depth from upper edge of DIN-rail	52.5 mm / 2.067 inch
Note (dimensions)	Depth: 48 mm (without cover)

Mechanical data

Mounting type	DIN-35 rail Screw mount (back/side)
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Material data

Flammability class per UL94	V0
Weight	63 g

Environmental requirements

Surrounding air temperature (operation)	-25 ... 70 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Relative humidity	20 ... 90 % (no condensation permissible)
Derating	-3 %/K (> +45 °C and $U_e = 90$ VAC); -2.3 %/K (> +50 °C and $U_e = 230$ VAC)
Pollution degree	2
Climatic category	3K3 (per EN 60721; except for low air pressure)

Standards and specifications

Conformity marking	CE
Standards/Specifications	EN 61204-3; EN 60335-1; EN 62368-1 ; UL 60950-1; UL 508

Commercial data

PU (SPU)	1 Stück
Packaging type	BOX
Country of origin	CN
GTIN	4055143804226
Customs tariff number	85044082900

Approvals / Certificates

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UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817
	UR Underwriters Laboratories Inc.	UL 62368-1	E255815

Compatible products

ferrule

	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-302

tools

	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720
	Item no.: 210-769 SCREWDRIVER; green	www.wago.com/210-769

Strain relief plate

	Item no.: 2092-1601 Gripping plate; light gray	www.wago.com/2092-1601
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Downloads

Documentation

Manual

DC Power Supply, 12 V 12 VDC, 5 A, SELV	V 1.1.0 29 Jun 2020	pdf 4.0 MB	Download
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Bid Text

787-1211 docx - Datei	12 Jun 2019	docx 21.5 kB	Download
787-1211 X81 - Datei	4 Jul 2019	xml 7.7 kB	Download

Instruction Leaflet

Stromversorgung COMPACT Power	V 1.2.0 18 Aug 2020	pdf 2.7 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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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-1211 Switched-mode power supply; Compact; 1-phase; 12 VDC output voltage; 5 A output current; DC-OK LED	URL	Download
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Installation Notes

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Product family

EPSITRON COMPACT Power

EPSITRON® COMPACT POWER: Compact, High-Performance Power Supplies

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