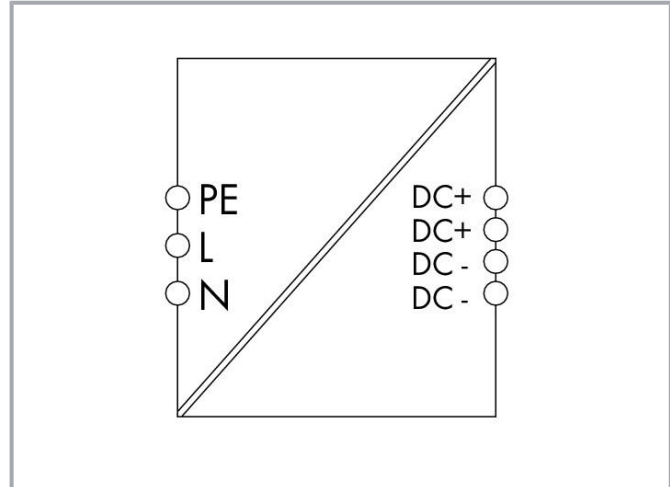


Data sheet | Item number: 787-1211

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



www.wago.com/787-1211



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

Data

Technical data

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

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Input

Phases	1
Nominal input voltage $U_{i\text{nom}}$	1 x AC 100 ... 240 V; DC 140 ... 340 V
Input voltage range	1 x 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
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)
Nominal output current $I_{o\text{nom}}$	5 A
Nominal output power	60 W
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)

Efficiency/power losses

Power loss P_l	≤ 0.6 W
Power loss (max.) $P_{l(\text{max})}$	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
Backup fusing (required)	An external DC fuse is required for the DC input voltage.

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



Backup fusing (recommended)

Circuit breaker: 6 A, 10 A or higher; Tripping characteristic: B

Safety and protection

Protection class	I
Protection type	IP20; per EN 60529
Reverse voltage protection	Yes
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	≤ 20 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	<i>picoMAX</i> ® 5.0, WAGO 2092 Series
Solid conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Cable length (max.)	30 m

Physical data

Width	72 mm / 2.835 inches
Height	90 mm / 3.543 inches
Depth	56 mm / 2.205 inches
Depth from upper-edge of DIN-rail	52.5 mm / 2.067 inches
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

Ambient temperature (operation)	-25 ... +70 °C
Ambient 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)

Standards and specifications

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

Commercial data

ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CN
GTIN	4055143804226
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02.

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

B.
00089_19UL
Underwriters Laboratories Inc.

UL 508


E255817

UR
Underwriters Laboratories Inc.

UL 62368-1

E255815

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Tool

Operating tool

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

Strain relief

Strain relief plate

Item no.: 2092-1601
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light graywww.wago.com/2092-1601

Downloads

Documentation

Manual

Product Manual DC Power Supply, 12 V

V 1.1.0

pdf

Download

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12 VDC, 5 A, SELV	2020 Jun 29	4.0 MB
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Bid Text

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

Stromversorgung COMPACT	V 1.2.0 2020 Aug 18	pdf 2.7 MB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 787-1211	URL	Download
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CAE data

EPLAN Data Portal 787-1211	URL	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

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



Product family

EPSITRON COMPACT Power

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

[Show all products from the family](#)

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