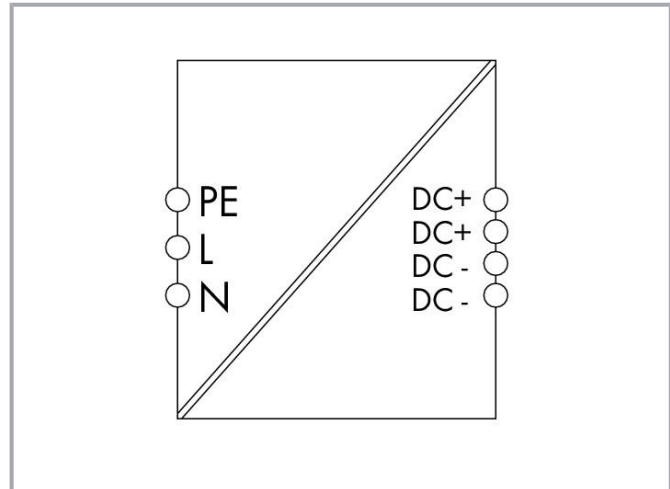


Data sheet | Item number: 787-1211

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

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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

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	$\leq 0.6\text{ A}$
Inrush current	$\leq 30\text{ A (NTC)}$
Power factor	≥ 0.5
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 600\text{ ms (230 VAC)}; \geq 12\text{ ms (110 VAC)}$

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
Deviation	$\leq 1\%$
Deviation, dynamic load change 10 ... 90 %	$\leq 1\%$
Residual ripple	$\leq 100\text{ mV (peak-to-peak)}$
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	$\leq 0.6\text{ W}$
	9 W (100 VAC / 12 VDC; 2.5 A)

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

Power loss (max.) $P_{I(max.)}$

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.
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

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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



Depth from upper-edge of DIN-rail	52.5 mm / 2.067 inches
Note (dimensions)	Depth: 48 mm (without cover)

Mechanical Data

Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail Screw mount (back/side)

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)
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

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

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

Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

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.B.00089_19
	UL 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; green	www.wago.com/210-769
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

Strain relief

Strain relief plate

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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



Item no.: 2092-1601

Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray

www.wago.com/2092-1601**Downloads****Documentation****Manual**

Product Manual DC Power Supply, 12 V 12 VDC, 5 A, SELV	V 1.1.0 2020 Jun 29	pdf 4.0 MB	Download
---	------------------------	---------------	----------

Bid Text

787-1211 X81 - Datei	2019 Jul 4	xml 7.7 kB	Download
-------------------------	------------	---------------	----------

787-1211 docx - Datei	2019 Jun 12	docx 21.5 kB	Download
--------------------------	-------------	-----------------	----------

Instruction Leaflet

Stromversorgung COMPACT	V 1.2.0 2020 Aug 18	pdf 2.7 MB	Download
-------------------------	------------------------	---------------	----------

Additional Information

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

CAD/CAE-Data**CAD data**

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

CAE data

EPLAN Data Portal 787-1211	URL	Download
----------------------------	-----	----------

Asset Administration Shell

Asset Administration Shell 787-1211	URL	Download
-------------------------------------	-----	----------

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



Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-1211

URL

Download

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

Installation Notes

Product family

EPSITRON COMPACT Power

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

[Show all products from the family](#)

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.