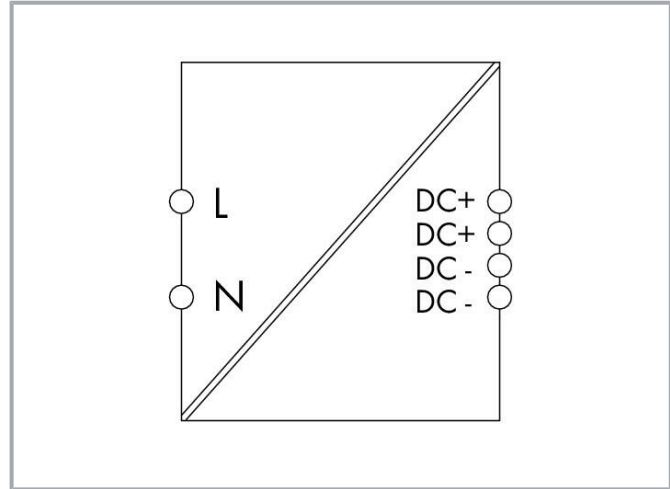


Data sheet | Item number: 787-1011

Switched-mode power supply; Compact; 1-phase; 12 VDC output voltage; 4 A output current

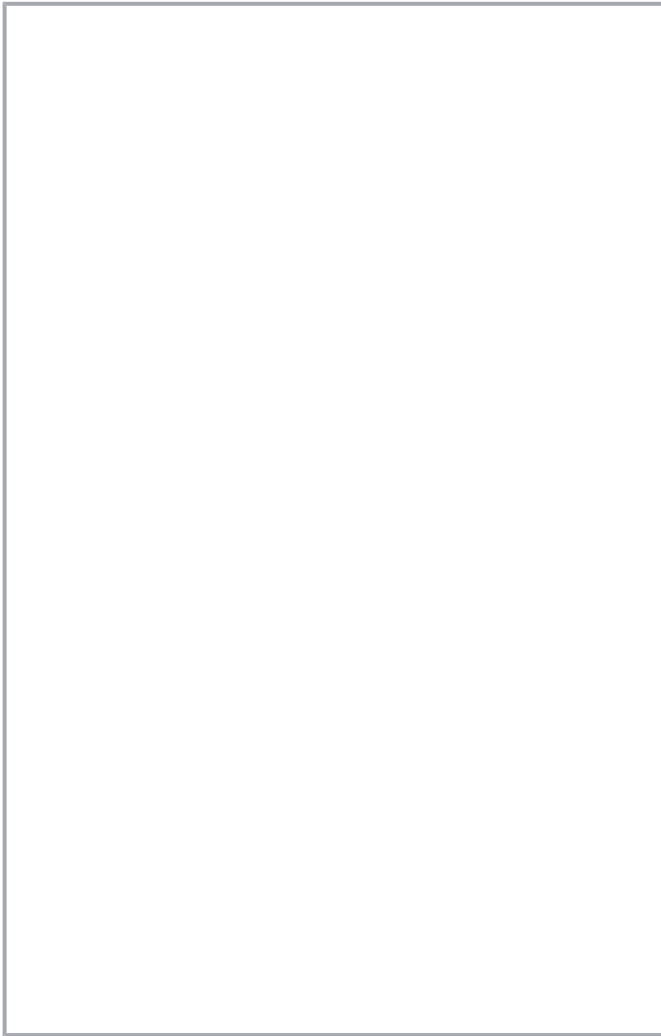
www.wago.com/787-1011



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

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Item description

Features:

- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Stepped profile, ideal for distribution boards/boxes
- Overhead mounting is possible with derating
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1; PELV per EN 60204

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Data

Technical data

Power loss P_I	$\leq 2.2 \text{ W}$ (230 VAC; No load); $\leq 8.5 \text{ W}$ (230 VAC; Nominal load)
Power loss (max.) $P_{I(\text{max.})}$	9 W (100 VAC / 12 VDC; 4 A)
Efficiency (typ.)	85 %
Nominal output voltage $U_{o \text{ nom}}$	DC 12 V (SELV)
Output voltage range	DC 10.5 ... 15.5 V (adjustable)
Default setting	DC 12 V
Nominal output current $I_{o \text{ nom}}$	4 A (12 VDC); 2.4 A (in any mounting position)
Nominal output power	48 W
Control deviation	$\leq 2 \%$
Residual ripple	$\leq 100 \text{ mV}$ (peak-to-peak)
Current limitation	$1.1 \times I_{o \text{ nom}}$ (typ.)
Overload behavior	Constant current
Isolation voltage (Pri.-Sec.)	DC 4.242 kV
Protection class	II
Protection type	IP20 (per EN 60529)
Resistance to reverse feed	$\leq \text{DC } 25 \text{ V}$
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	$\leq 30 \text{ VDC}$ (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 500,000 h (per IEC 61709)
Internal fuse	T 2 A / 250 VAC
Required backup fusing	An external DC fuse is required for the DC input voltage.
Recommended backup fusing	Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher
Phases	1
Nominal input voltage $U_{i \text{ nom}}$	1 x AC 100 ... 240 V
Input voltage range	AC 85 ... 264 V; DC 120 ... 373 V

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Input voltage derating	$I_o \leq 3.5 \text{ A (< 100 VAC)}$
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current I_i	$\leq 0.5 \text{ A (230 VAC)}; \leq 0.9 \text{ A (110 VAC)}$
Discharge current	$\leq 1 \text{ mA}$
Inrush current	$\leq 30 \text{ A (NTC)}$
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 80 \text{ ms (230 VAC)}; \geq 10 \text{ ms (110 VAC)}$
Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED (U_o)

Connection data

Connection type (1)	Input/Output
Connection technology	CAGE CLAMP®
WAGO Connector	WAGO 740 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	6 ... 7 mm / 0.24 ... 0.28 inch

Physical data

Width	72 mm / 2.835 inch
Height	89 mm / 3.504 inch
Depth	59 mm / 2.323 inch
Depth from upper edge of DIN-rail	55 mm / 2.165 inch

Mechanical data

Mounting type	DIN-35 rail
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Material data

Flammability class per UL94	V0
Weight	255 g

Environmental requirements

Surrounding air temperature (operation)	-25 ... 60 °C (Device starts at -40 °C (type-tested))
Surrounding air temperature (storage)	-25 ... 80 °C
Surrounding air (operating) temperature for UL	-25 ... 55 °C

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



Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-3 %/K (> 45 °C)

Standards and specifications

Conformity marking	CE
Standards/Specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 60950-1 UL 508 DNV GL

Commercial data

Product Group	6 (Interface Electronics)
PU (SPU)	1 Stück
Packaging type	box
Country of origin	DE
GTIN	4050821297604
Customs tariff number	85044082900

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815

Optional accessories

Tool

Operating tool	Item no.: 210-769 SCREWDRIVER; green	www.wago.com/210-769
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**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-720**Ferrule**

Ferrule

	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	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.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-222
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243
	Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-263
	Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-262
	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.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-322
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-302

Marking accessories

Marking strip

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**Item no.: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

www.wago.com/210-831**Item no.: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

www.wago.com/210-832**Downloads****Documentation****Bid Text**

787-1011 docx - Datei	2019. 6. 12.	docx 21.3 kB	Download
787-1011 X81 - Datei	2019. 6. 24.	xml 7.1 kB	Download

Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT DC 12 V, 4 A		pdf 621.3 kB	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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CAD/CAE-Data**CAD data**

2D/3D Models 787-1011	URL	Download
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CAE data

EPLAN Data Portal 787-1011	URL	Download
WSCAD Universe 787-1011	URL	Download
ZUKEN Portal 787-1011	URL	Download

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-1011

URL

Download

Switched-mode power supply; Compact; 1-phase; 12 VDC output voltage; 4 A output current

Installation Notes

Product family

EPSITRON COMPACT Power

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

[Show all products from the family](#)

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