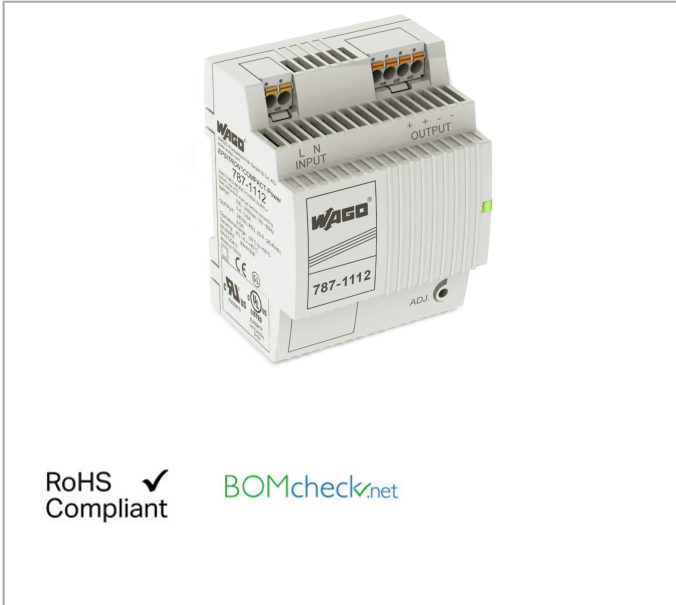


## Data sheet | Item number: 787-1112

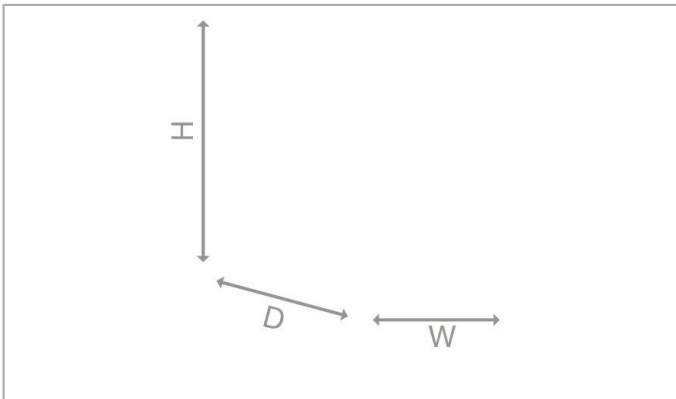
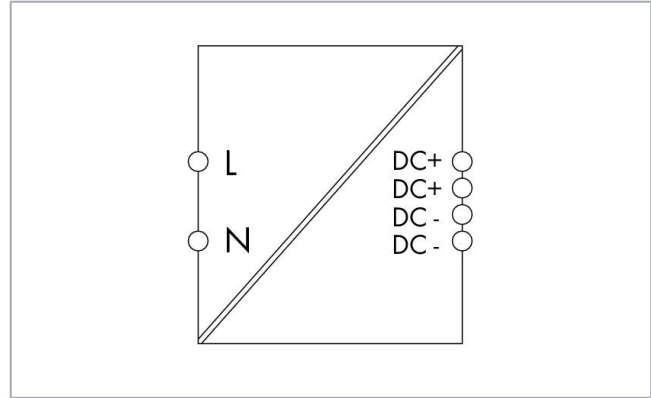
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage;  
2.5 A output current; DC OK signal

[www.wago.com/787-1112](http://www.wago.com/787-1112)



RoHS  
Compliant ✓

BOMcheck.net



### Item description

#### Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Pluggable picoMAX<sup>®</sup> Connection Technology (tool-free)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1; PELV per EN 60204

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

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## Data

### Technical data

#### Input

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
Input voltage derating	$I_o \leq 2 \text{ A}$ (< 100 VAC); $I_o \leq 1.8 \text{ A}$ (< 90 VAC)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current $I_i$	$\leq 0.6 \text{ A}$ (230 VAC); $\leq 1.4 \text{ A}$ (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)

#### Output

Nominal output voltage $U_{o\text{nom}}$	DC 24 V (SELV)
Output voltage range	DC 22.8 ... 26.4 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\text{nom}}$	2.5 A (24 VDC); 1.6 A (in any mounting position)
Nominal output power	60 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

#### Signaling and communication

Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED ( $U_o$ )

#### Efficiency/power losses

Power loss $P_l$	$\leq 2.2 \text{ W}$ (230 VAC; No load); $\leq 8.5 \text{ W}$ (230 VAC; Nominal load)
	10.5 W (100 VAC / 24 VDC; 2.5 A)

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

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

Efficiency (typ.) 88 %

### Circuit protection

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, 10 A, 16 A; Tripping characteristic: B or C

### Safety and protection

Isolation voltage (Pri.-Sec.) DC 4.242 kV

Protection class II

Protection type IP20 (per EN 60529)

Resistance to reverse feed  $\leq$  DC 30 V

Overvoltage category II

Pollution degree 2

Transient suppression (primary) Varistor

Overvoltage protection; secondary  $\leq$  40 VDC (in the event of a fault)

Short-circuit-protected Yes

Open-circuit-proof Yes

Parallel operation Yes

Series operation Yes

MTBF &gt; 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 mm<sup>2</sup> / 24 ... 12 AWGFine-stranded conductor 0.2 ... 2.5 mm<sup>2</sup> / 24 ... 12 AWG

Strip length 9 ... 10 mm / 0.35 ... 0.39 inch

### Physical data

Width 72 mm / 2.835 inch

Height 89 mm / 3.504 inch

Depth 59 mm / 2.323 inch

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Depth from upper edge of DIN-rail	55 mm / 2.165 inch
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### Mechanical data

Mounting type	DIN-35 rail
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### Material data

Flammability class per UL94	V0
Weight	240 g

### Environmental requirements

Surrounding air temperature (operation)	-25 ... 70 °C (Device starts at -40 °C (type-tested))
Surrounding air temperature (storage)	-25 ... 80 °C
Surrounding air (operating) temperature for UL	-25 ... 55 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-3 %/K (> 45 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721)

### Standards and specifications


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

### Commercial data

Packaging type	BOX
Country of origin	CN
GTIN	4055143422000
Customs tariff number	85044082900



### Approvals / Certificates

#### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAA00000KT



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

## UL-Approvals



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

## Compatible products



## tools

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

## ferrule

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

## Strain relief plate

	Item no.: 2092-1600 Gripping plate; light gray	<a href="http://www.wago.com/2092-1600">www.wago.com/2092-1600</a>
	Item no.: 2092-1601 Gripping plate; light gray	<a href="http://www.wago.com/2092-1601">www.wago.com/2092-1601</a>

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



## Downloads

### Documentation

#### Bid Text

787-1112 docx - Datei	12. 6. 2019	docx 21.6 kB	Download
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787-1112 X81 - Datei	24. 6. 2019	xml 7.1 kB	Download
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#### Instruction Leaflet

Primär getaktete Stromversorgungen EPSITRON COMPACT Power		pdf 325.8 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

### CAE data

EPLAN Data Portal 787-1112		URL	Download
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WSCAD Universe 787-1112		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 787-1112 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal		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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