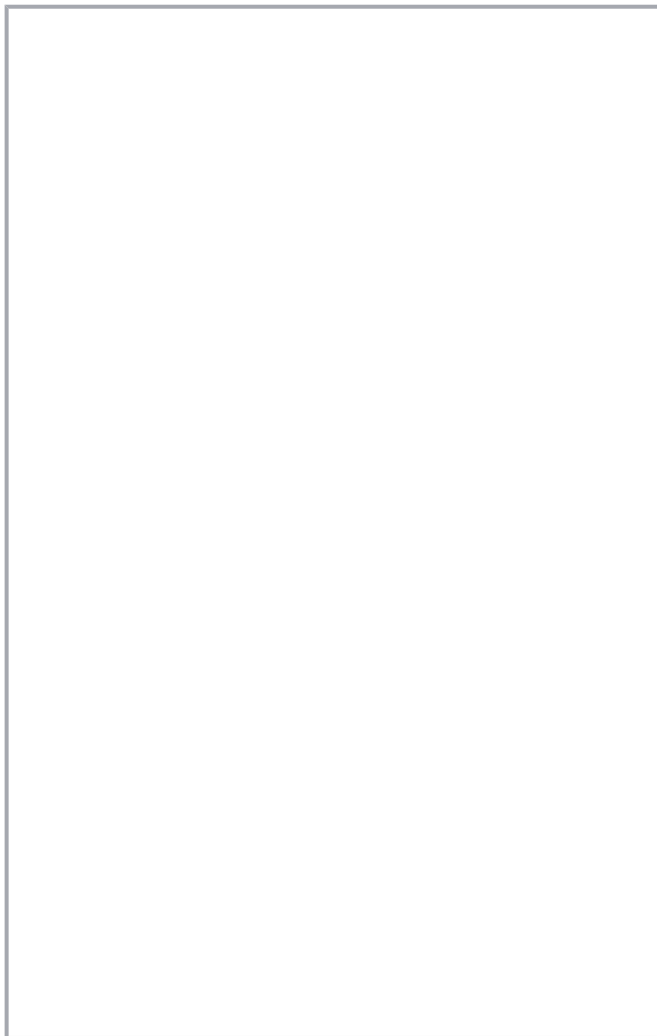
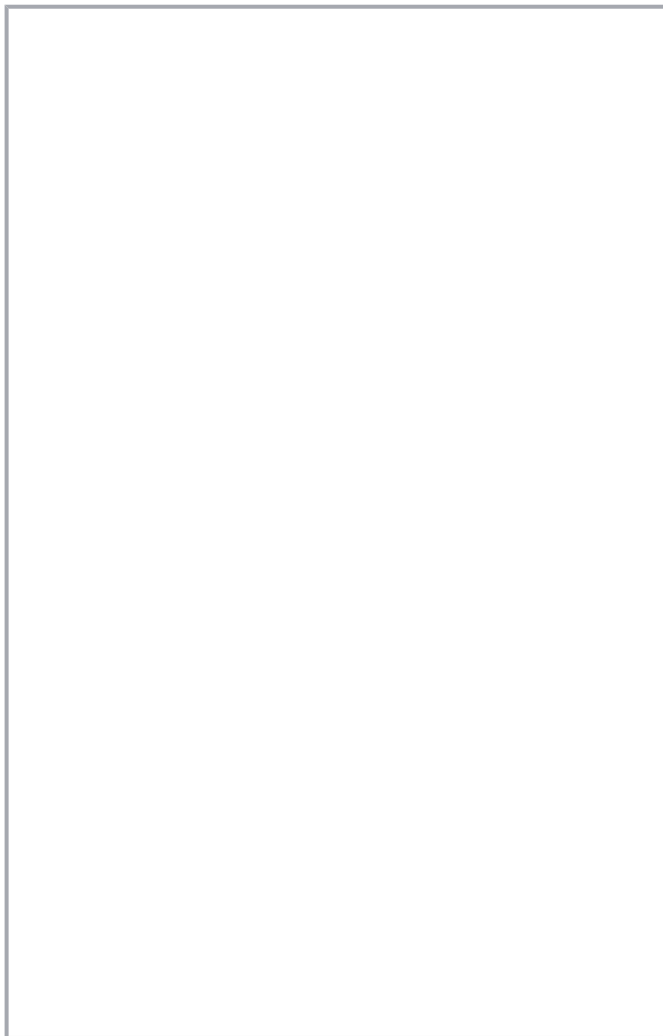


Data sheet | Item number: 787-1112 **DISCONTINUED**

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



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



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

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This item has been discontinued.

#### Successor model

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**Item no.787-1212**

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

[www.wago.com/787-1212](http://www.wago.com/787-1212)

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**Item no.787-1012**

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

[www.wago.com/787-1012](http://www.wago.com/787-1012)

#### Item description

##### Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards

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

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- Pluggable *picoMAX*<sup>®</sup> Connection Technology (tool-free)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 61010-2-201/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
Input voltage range	1 x AC 85 ... 264 V; DC 120 ... 300 V
Input voltage derating	$I_o \leq 2 \text{ A} (< 100 \text{ VAC}); I_o \leq 1.8 \text{ A} (< 90 \text{ VAC})$
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current $I_i$	$\leq 0.6 \text{ A} (230 \text{ VAC}); \leq 1.4 \text{ A} (110 \text{ VAC})$
Inrush current	$\leq 30 \text{ A} (\text{NTC})$
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 80 \text{ ms} (230 \text{ VAC}); \geq 10 \text{ ms} (110 \text{ VAC})$

#### 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
Deviation	$\leq 2 \%$
Residual ripple	$\leq 100 \text{ mV} (\text{peak-to-peak})$
Current limitation	$1.1 \times I_{o\text{ nom}} (\text{typ.})$
Overload behavior	Constant current

#### Signaling and Communication

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

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



## Efficiency/power losses

Power loss $P_I$	$\leq 2.2 \text{ W}; \leq 8.5 \text{ W}$ (230 VAC; Nominal load)
Power loss (max.) $P_{I(\text{max.})}$	10.5 W (100 VAC / 24 VDC; 2.5 A)
Efficiency (typ.)	88 %

## Circuit protection

Internal fuse	T 2 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, 16 A; Tripping characteristic: B or C

## Safety and protection

Protection class	II
Protection type	IP20; per EN 60529
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	$\leq 40 \text{ VDC}$ (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)

## 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 <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

## Physical data

Width	72 mm / 2.835 inches
Height	89 mm / 3.504 inches

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Depth	59 mm / 2.323 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

**Mechanical Data**

Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail

**Material Data**

Flammability class per UL94	V0
Weight	240 g

**Environmental requirements**

Ambient temperature (operation)	-25 ... +70 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)	-25 ... +80 °C
Ambient temperature UL (operation at U <sub>N</sub> )	-25 ... +55 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-3 %/K (> 45 °C)
Climatic category	3K3 (per EN 60721)

**Standards and specifications**

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

**Commercial data**

eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CN

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



GTIN	4055143422000
Customs tariff number	85044083900
End of Sale	2022-05-01
End of Production	2022-05-02
End of Delivery	2022-07-31
End of Service and Repair	2024-07-31

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

## General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02.B. 00089_19
	<b>UL</b> Underwriters Laboratories Inc.	UL 508	E255817
	<b>UL</b> Underwriters Laboratories Inc.	UL 60950-1	E255815

**Declarations of conformity and manufacturer's declarations**

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

**Approvals for marine applications**

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV</b> DNV Germany GmbH	DNV-CG-0339, Aug. 2021	TAA00000KT

**Optional accessories**

## Strain relief

Strain relief plate	<b>Item no.: 2092-1601</b> Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray	<a href="http://www.wago.com/2092-1601">www.wago.com/2092-1601</a>
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Subject to changes. Please also observe the further product documentation!

**Item no.: 2092-1600**

Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 2-pole; light gray

[www.wago.com/2092-1600](http://www.wago.com/2092-1600)**Tool**

## Operating tool

**Item no.: 210-769**

SCREWDRIVER; green

[www.wago.com/210-769](http://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](http://www.wago.com/210-720)**Downloads****Documentation****Bid Text**

787-1112 X81 - Datei	2019 年6月24 日	xml 7.1 kB	Download
787-1112 docx - Datei	2019 年6月12 日	docx 21.6 kB	Download

**Instruction Leaflet**

Primär getaktete Stromversorgungen COMPACT		pdf 325.8 kB	Download
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**Additional Information**

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
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**CAD/CAE-Data****CAE data**

EPLAN Data Portal 787-1112		URL	Download
WSCAD Universe 787-1112		URL	Download

**Environmental Product Compliance****Compliance Search**

Environmental Product Compliance 787-1112

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Data sheet | Item number: 787-1112 **DISCONTINUED**

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

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## 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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