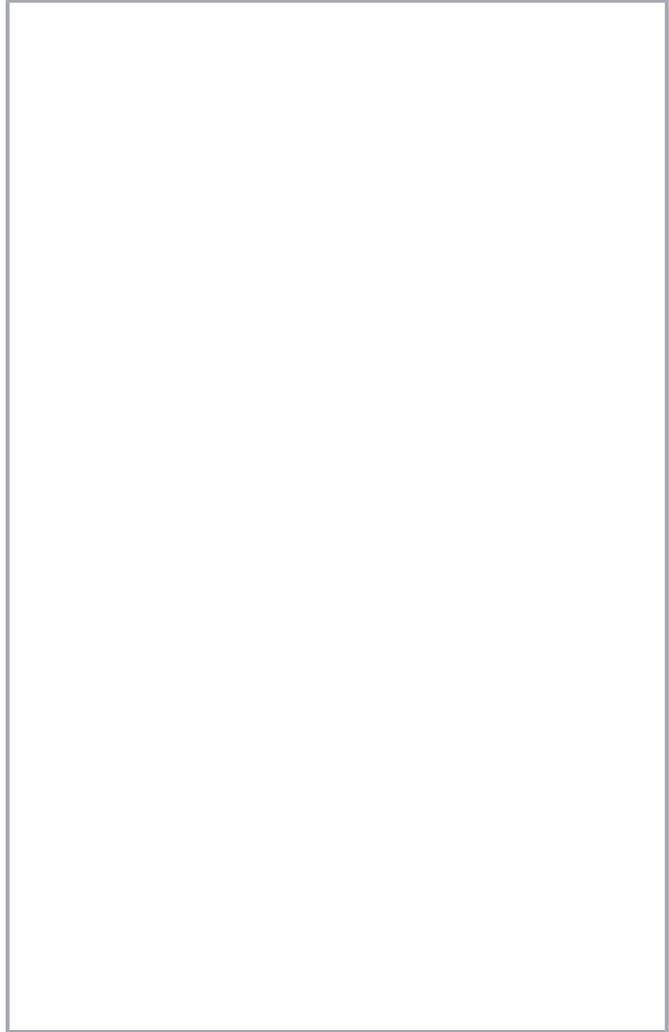


Data sheet | Item number: 787-1102 **DISCONTINUED**

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



[www.wago.com/787-1102](http://www.wago.com/787-1102)

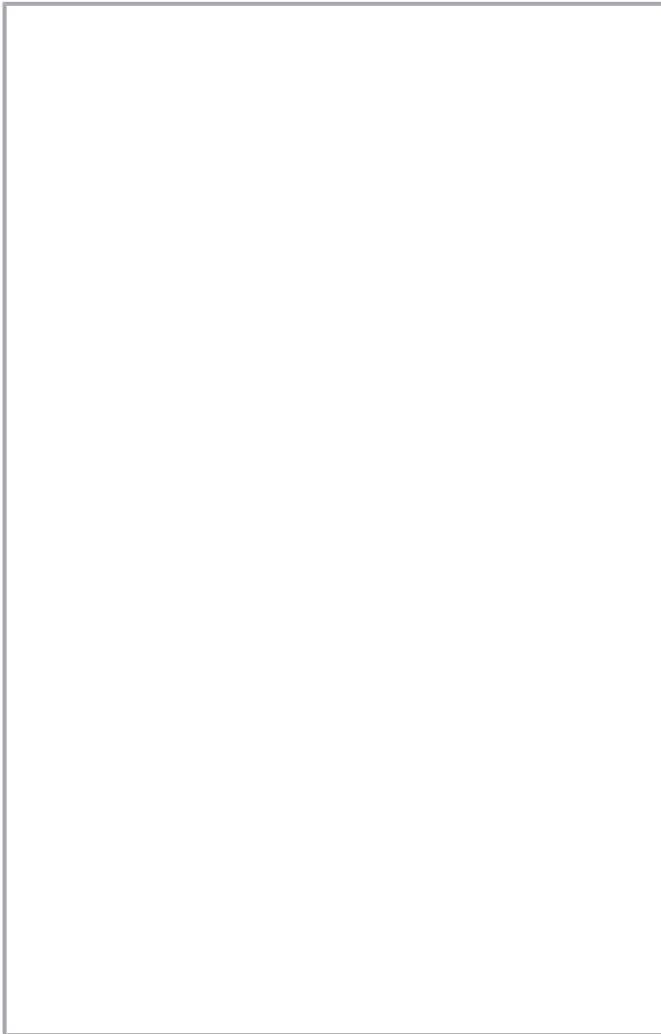


Subject to changes. Please also observe the further product documentation!

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

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



**X** This item has been discontinued.

**Successor model**

<b>Item no.787-1202</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC-OK LED	<a href="http://www.wago.com/787-1202">www.wago.com/787-1202</a>
<b>Item no.787-1002</b> Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current	<a href="http://www.wago.com/787-1002">www.wago.com/787-1002</a>

**Item description**

**Features:**

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

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WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
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Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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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	$I_o \leq 1 \text{ A}$ (< 100 VAC)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current $I_i$	$\leq 0.5 \text{ A}$ (230 VAC); $\leq 0.7 \text{ A}$ (110 VAC)
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 $I_{o \text{ nom}}$	1.3 A (24 VDC); 0.9 A (in any mounting position)
Nominal output power	31 W
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 ( $U_o$ )

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



## Efficiency/power losses

Power loss $P_l$	$\leq 2.6 \text{ W}; \leq 7 \text{ W}$ (230 VAC; Nominal load)
Power loss (max.) $P_{l(max)}$	7.3 W (100 VAC / 24 VDC; 1.3 A)
Efficiency (typ.)	82 %

## 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	54 mm / 2.126 inches
Height	89 mm / 3.504 inches

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



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	170 g

### Environmental requirements

Ambient temperature (operation)	-25 ... +60 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)	-25 ... +80 °C
Ambient temperature UL (operation at $U_N$ )	-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	4055143421997
Customs tariff number	85044083900

## 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

### Tool

Operating tool		
<b>Item no.: 210-769</b> SCREWDRIVER; green		<a href="http://www.wago.com/210-769">www.wago.com/210-769</a>
<b>Item no.: 210-720</b> 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>

### 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>
<b>Item no.: 2092-1600</b>		

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

## Downloads

### Documentation

#### Bid Text

787-1102 X81 - Datei	2019 年6月24 日	xml 7.0 kB	Download
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787-1102 docx - Datei	2019 年6月12 日	docx 21.6 kB	Download
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#### 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 787-1102		URL	Download
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WSCAD Universe 787-1102		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 787-1102 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 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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