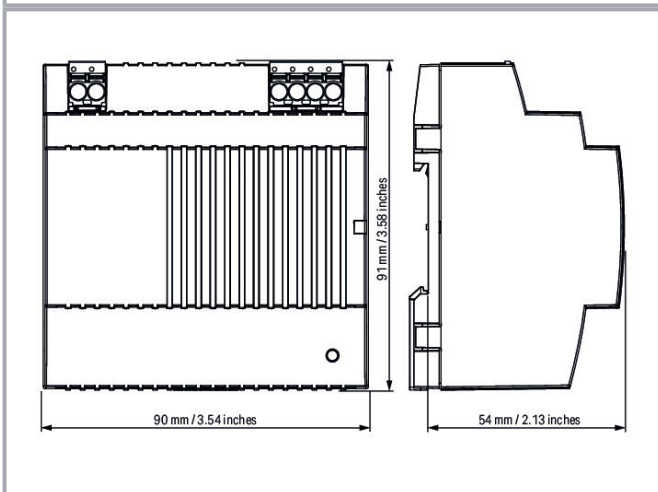
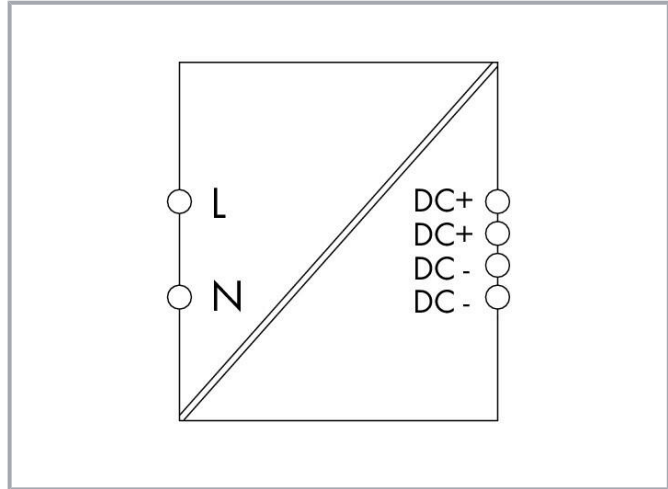


Data sheet | Item number: 787-1122 **DISCONTINUED**

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC-OK LED



[www.wago.com/787-1122](http://www.wago.com/787-1122)



**X** This item has been discontinued.

**Successor model**

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

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**Item no.787-1022**

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current

[www.wago.com/787-1022](http://www.wago.com/787-1022)**Item no.787-1216**

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4.2 A output current; DC-OK LED

[www.wago.com/787-1216](http://www.wago.com/787-1216)**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 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	$I_o \leq 3.5 \text{ A}$ (< 100 VAC); $I_o \leq 3 \text{ A}$ (< 90 VAC)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current $I_i$	$\leq 0.9 \text{ A}$ (230 VAC); $\leq 1.6 \text{ A}$ (110 VAC)
Inrush current	$\leq 30 \text{ A}$ (NTC)
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 100 \text{ ms}$ (230 VAC); $\geq 15 \text{ ms}$ (110 VAC)

**Output**

Nominal output voltage $U_{o\text{nom}}$	DC 24 V (SELV)
Output voltage range	DC 22.8 ... 26.4 V (adjustable)
Nominal output current $I_{o\text{nom}}$	4 A (24 VDC); 2.4 A (in any mounting position)

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



Nominal output power	96 W
Residual ripple	≤ 100 mV (peak-to-peak)
Current limitation	1.1 x I <sub>o nom</sub> (typ.)
Overload behavior	Constant current

### Signaling and Communication

Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED (U <sub>o</sub> )

### Efficiency/power losses

Power loss P <sub>l</sub>	≤ 0.8 W; ≤ 13.1 W (230 VAC; Nominal load)
Power loss (max.) P <sub>l(max)</sub>	14.8 W (264 VAC / 24 VDC; 4 A)
Efficiency (typ.)	88 %

### Circuit protection

Internal fuse	T 4 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	≤ 40 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	

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



	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	90 mm / 3.543 inches
Height	89 mm / 3.504 inches
Depth	59 mm / 2.323 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

### Mechanical Data

Mounting type	DIN-35 rail
---------------	-------------

### Material Data

Flammability class per UL94	V0
Weight	300 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)

### Standards and specifications

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

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**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
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CN
GTIN	4055143422017
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
	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
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815

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

Logo	Approval	Additional Approval Text	Certificate name
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EU-Declaration of Conformity  
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> Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 2-pole; light gray	<a href="http://www.wago.com/2092-1600">www.wago.com/2092-1600</a>

**Downloads**

**Documentation**

**Bid Text**

787-1122 X81 - Datei	2019 Jul 4	xml 7.1 kB	Download
787-1122 docx - Datei	2019 Jun 12	docx 21.7 kB	Download

**Instruction Leaflet**

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2022 Aug 18

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#### CAD/CAE-Data

##### CAE data

EPLAN Data Portal 787-1122

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WSCAD Universe 787-1122

[URL](#)

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#### Environmental Product Compliance

##### Compliance Search

Environmental Product Compliance 787-1122

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Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC-OK LED

#### Installation Notes

#### Product family

**EPSITRON COMPACT Power**

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

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