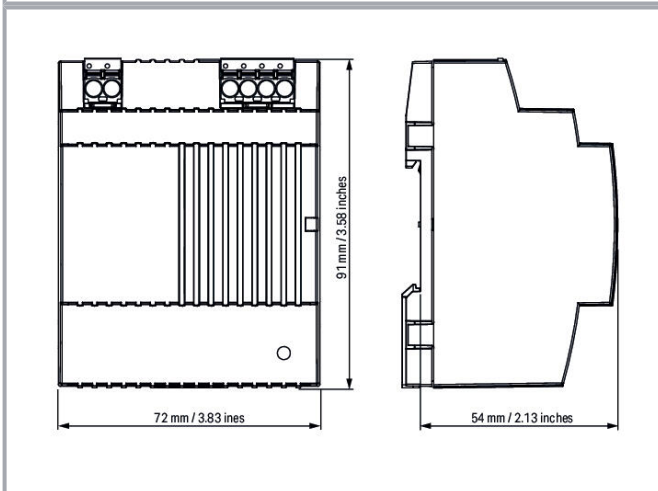
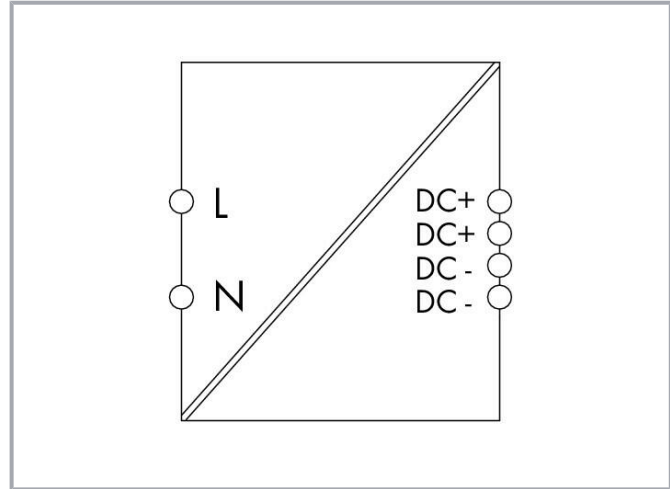


Data sheet | Item number: 787-1112 **DISCONTINUED**

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



www.wago.com/787-1112



X This item has been discontinued.

Successor model



Item no.787-1212

www.wago.com/787-

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

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Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED 1212

	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
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Item description

Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Pluggable *picoMAX*[®] 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)
Nominal output current $I_{o\text{ nom}}$	2.5 A (24 VDC); 1.6 A (in any mounting position)
Nominal output power	60 W
Residual ripple	$\leq 100 \text{ mV} (\text{peak-to-peak})$
Current limitation	$1.1 \times I_{o\text{ nom}} (\text{typ.})$

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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 $\leq 2.2 \text{ W}; \leq 8.5 \text{ W}$ (230 VAC; Nominal load)Power loss (max.) $P_{l(max)}$

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

 $> 500,000 \text{ h}$ (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 mm² / 24 ... 12 AWG

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Fine-stranded conductor	0.2 ... 2.5 mm ² / 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
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
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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 _N)	-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

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

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PU (SPU)	1 pcs
Packaging type	box
Country of origin	CN
GTIN	4055143422000
Customs tariff number	85044083900

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
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

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

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Optional accessories

Tool

Operating tool



Item no.: 210-769
SCREWDRIVER; green

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

Strain relief

Strain relief plate



Item no.: 2092-1601
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray

www.wago.com/2092-1601



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

Downloads

Documentation

Bid Text

787-1112 X81 - Datei	2019 Jun 24	xml 7.1 kB	Download
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787-1112 docx - Datei	2019 Jun 12	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 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

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EPLAN Data Portal 787-1112

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WSCAD Universe 787-1112

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-1112

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

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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