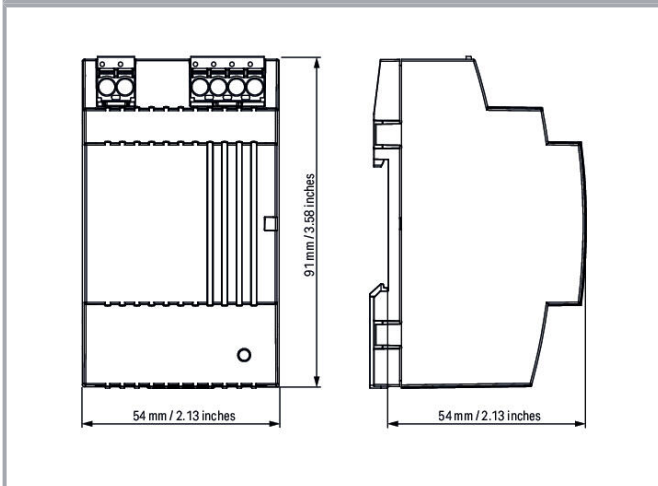
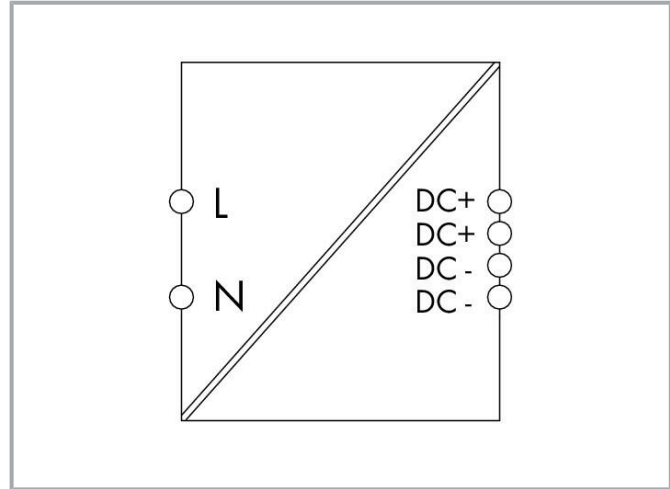


Data sheet | Item number: 787-1102 **DISCONTINUED**

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



www.wago.com/787-1102





X This item has been discontinued.

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

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Successor model

	Item no.787-1202 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC-OK LED	www.wago.com/787-1202
	Item no.787-1002 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current	www.wago.com/787-1002

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

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



Residual ripple	≤ 100 mV (peak-to-peak)
Current limitation	1.1 x I _{o 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	≤ 2.6 W; ≤ 7 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	≤ 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	Push-in CAGE CLAMP®

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



WAGO connector	<i>picoMAX</i> [®] 5.0, WAGO 2092 Series
Solid conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
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	54 mm / 2.126 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	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)

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
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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	4055143421997
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-CG-0339, Aug. 2021	TAA00000KT

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DNV Germany GmbH

Optional accessories



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

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

Downloads

Documentation

Bid Text

787-1102 X81 - Datei	2019 Jun 24	xml 7.0 kB	Download
787-1102 docx - Datei	2019 Jun 12	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 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 787-1102	URL	Download
WSCAD Universe 787-1102	URL	Download

Environmental Product Compliance

Compliance Search

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