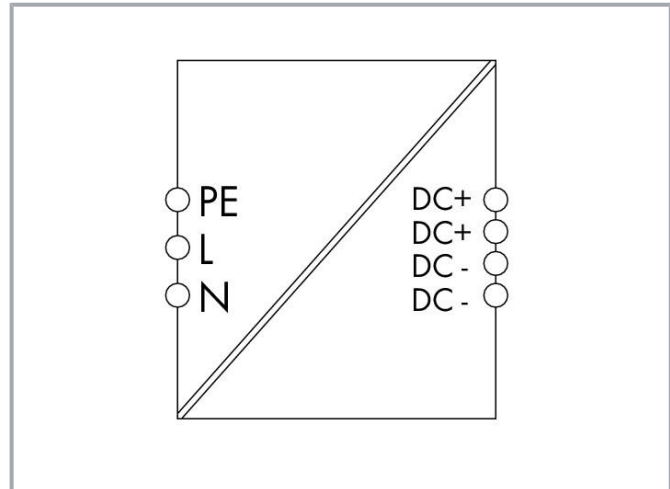
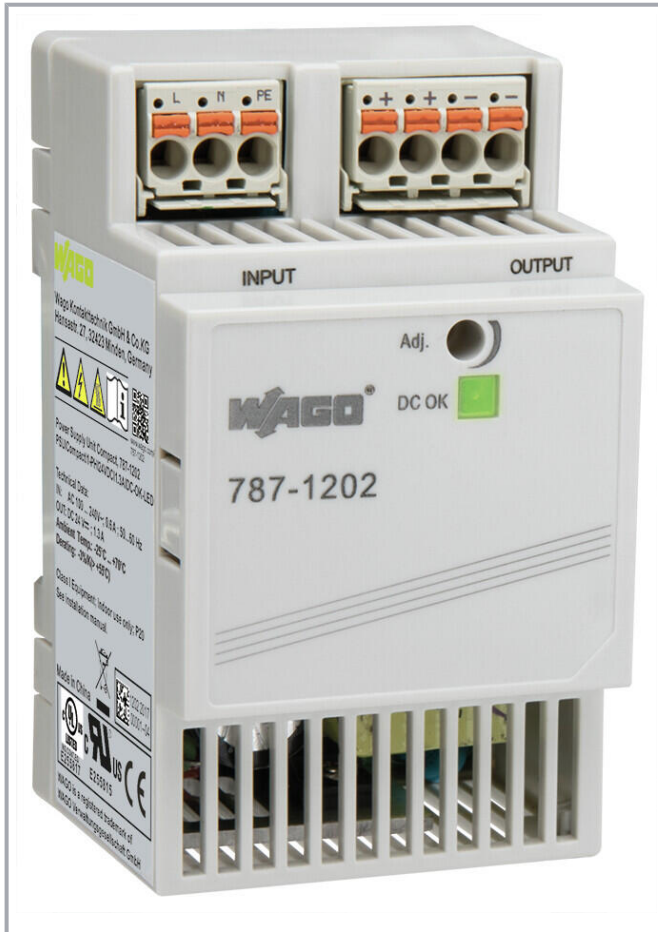


Data sheet | Item number: 787-1202

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 description

Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Removable front panel and screw mounts for alternative installation in distribution boxes or devices
- Pluggable *picoMAX*® Connection Technology (tool-free)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204

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

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We are always happy to take your call at +49 (571) 887-44222.

**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 125 ... 375 V
Input voltage derating	-2 %/V (< 100 VAC); -1.33 %/V (< 140 VDC)
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current I_i	≤ 0.6 A
Inrush current	≤ 20 A
Power factor	≥ 0.5
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 70 ms

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 26 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\text{ nom}}$	1.3 A
Nominal output power	31.2 W
Deviation	≤ 1 %
Deviation, dynamic load change 10 ... 90 %	≤ 1 %
Residual ripple	≤ 100 mV (peak-to-peak)
Overload behavior	Constant power (in overload range: $1.05 \dots 1.35 \times I_{o\text{ nom}}$); Shutdown and automatic restart in the event of a short circuit or permanent overload

Signaling and communication

Signaling	1 x LED DC OK (green)
Operation status indicator	Green LED (U_o)

Efficiency/power losses

Power loss P_i	≤ 0.43 W
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Subject to changes. Please also observe the further product documentation!



Power loss (max.) $P_{I(max)}$	5.5 W (100 VAC / 24 VDC; 1.3 A)
Efficiency (typ.)	87 % (230 VAC); 82 % (110 VAC)

Circuit protection

Internal fuse	T 1 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher

Safety and protection

Protection class	I
Protection type	IP20; per EN 60529
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	≤ 31 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 700,000 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 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data

Width	54 mm / 2.126 inches
Height	90 mm / 3.543 inches
Depth	56 mm / 2.205 inches
Depth from upper-edge of DIN-rail	52.5 mm / 2.067 inches
Note (dimensions)	Depth: 48 mm (without cover)

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Mechanical Data

Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail Screw mount (back/side)

Material data

Flammability class per UL94	V0
Weight	239.3 g

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	95% (no condensation permissible)
Derating	-2.66 %/K (> 55 °C)
Climatic category	3K3 (per EN 60721; except for low air pressure)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61204-3 EN 60335-1 EN 62368-1 UL 60950-1 UL 508

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
GTIN	4055143907866
Customs tariff number	85044083900

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

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	4da49159-bd5d-44a9-b5c2-9ad5ff633f38
SCIP notification number (Czech Republic)	6304604f-d1fd-48e3-9bdc-aac6d5042e4e

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	-	-

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

Tool

Operating tool

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

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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

Manual

Product Manual COMPACT Power; 1-Phase DC Power Supply; 24 VDC / 1.3 A	V 1.0.1 2021 Jan 21	pdf 1.5 MB	Download
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Bid Text

787-1202 X81 - Datei	2019 Jul 4	xml 7.3 kB	Download
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787-1202 docx - Datei	2019 Jun 12	docx 21.2 kB	Download
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ausschreiben.de 787-1202		URL	Download
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Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT DC 24 V, 1,3 A		pdf 1.6 MB	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

CAD data

2D/3D Models 787-1202		URL	Download
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CAE data

EPLAN Data Portal 787-1202		URL	Download
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WSCAD Universe 787-1202	URL	Download
ZUKEN Portal 787-1202	URL	Download
Asset Administration Shell		
Asset Administration Shell 787-1202	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-1202	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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