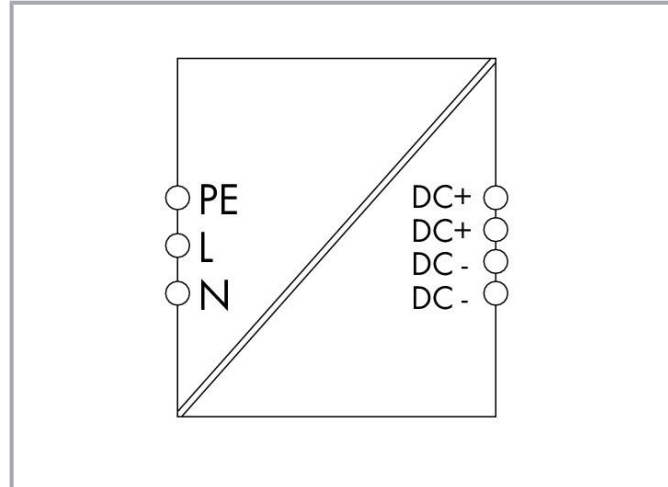


Data sheet | Item number: 787-1212

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

www.wago.com/787-1212



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

Data

Technical data

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

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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	≤ 1.5 A
Inrush current	≤ 20 A
Power factor	≥ 0.5
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 60 ms

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 26 V (adjustable)
Nominal output current $I_{o\text{ nom}}$	2.5 A; 2 A (< 110 VAC)
Nominal output power	60 W
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_l	≤ 0.6 W
Power loss (max.) $P_{l\text{ (max.)}}$	9 W (100 VAC / 24 VDC; 2.5 A)
Efficiency (typ.)	89 % (230 VAC); 87 % (110 VAC)

Circuit protection

Internal fuse	T 2 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.

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



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	> 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 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	72 mm / 2.835 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)

Mechanical Data

Mounting type	DIN-35 rail Screw mount (back/side)
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Material Data

Flammability class per UL94	V0
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Subject to changes. Please also observe the further product documentation!



Fire load	0.243 MJ
Weight	288 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)

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
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CN
GTIN	4055143908016
Customs tariff number	85044083900

Environmental Product Compliance




RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	c24db254-2b66-448b-b18e-27c1dc7ad507
SCIP notification number (Czech Republic)	973be624-07d3-4764-96b0-af72498ce892

Approvals / Certificates


General approvals

Logo	Approval	Additional Approval Text	Certificate name
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Subject to changes. Please also observe the further product documentation!


	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			
	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	V 1.0.1	pdf	Download
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DC 24 V / 2.5 A	2021 Jan 21	1.6 MB
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Bid Text

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787-1212 docx - Datei	2019 Jun 12	docx 21.1 kB	Download
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ausschreiben.de 787-1212		URL	Download
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Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT DC 24 V, 2,5 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 787-1212		URL	Download
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CAE data

WSCAD Universe 787-1212		URL	Download
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ZUKEN Portal 787-1212		URL	Download
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EPLAN Data Portal 787-1212		URL	Download
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Environmental Product Compliance**Compliance Search**

Environmental Product Compliance 787-1212 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED		URL	Download
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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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