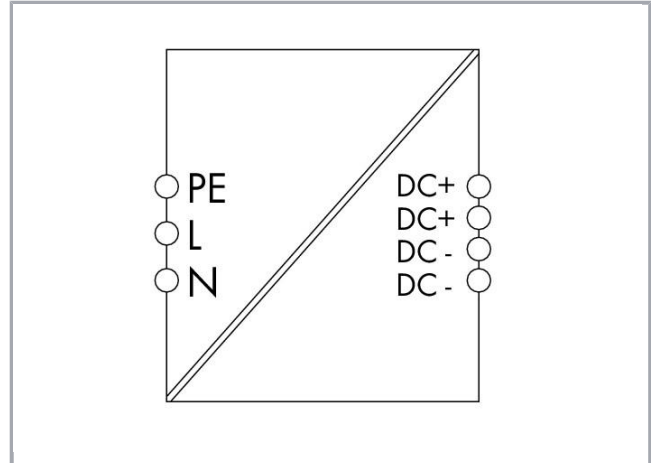


Data sheet | Item number: 787-1202

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

www.wago.com/787-1202



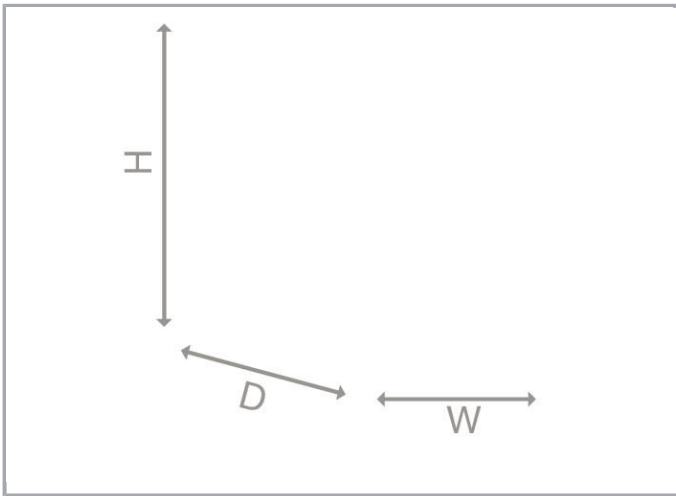
RoHS Compliant

BOMcheck.net

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

WAGO Kontakttechnik GmbH & Co. KG
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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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

Input

Phases	1
Nominal input voltage $U_{i\text{ nom}}$	AC 100 ... 240 V
Input voltage range	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	$\leq 0,6$ A
Discharge current	$\leq 0,25$ mA
Inrush current	≤ 20 A
Power factor	$\geq 0,5$
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 70 ms

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Output

Nominal output voltage $U_{o\ nom}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 26 V (adjustable)
Factory preset	DC 24 V
Nominal output current $I_{o\ nom}$	1,3 A
Nominal output power	31.2 W
Adjustment accuracy	$\leq 1 \%$
Deviation, dynamic load change 10 ... 90 %	$\leq 1 \%$
Residual ripple	≤ 100 mV (peak-to-peak)
Overload behavior	Constant power (in overload range: $1.05 \dots 1.35 \times I_{o\ nom}$); 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	$\leq 0,43$ W (230 VAC; No load)
Max. power loss $P_{v\ max.}$	5,5 W (100 VAC / 24 VDC; 1.3 A)
Efficiency (typ.)	87 % (230 VAC); 82 % (110 VAC)

Fuse protection:

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

Safety and protection:

Insulation voltage (PRI-SEC)	DC 4,242 kV
Protection class	I
Protection class	IP20 (per EN 60529)
Feedback voltage	\leq DC 35 V
Transient protection, primary	Varistor

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



Overvoltage protection, secondary	≤ 31 VDC (in the event of a fault)
Short circuit protection	Yes
No-load proof	Yes
Parallel operation	Yes
Series connection	Yes
MTBF	> 700,000 h (per IEC 61709)

Connection data

Connection type (1)	Input/Output
Connection technology	Push-in CAGE CLAMP®
WAGO terminal	picoMAX® 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 inch

Geometrical Data

Width	54 mm / 2.126 inch
Height	90 mm / 3.543 inch
Depth	56 mm / 2.205 inch
Length from upper-edge of DIN-35 rail	52,5 mm / 2.067 inch
Note on dimensions	Depth: 48 mm (without front panel)

Mechanical data

Type of mounting	DIN-35 rail (EN 60715) Screw mount (back/side)
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Material Data

Flammability class per UL94	V0
Weight	322.5 g

Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Relative humidity	≤ 95% (no condensation permissible)
Derating	-2.66 %/K (> 55 °C)
Pollution degree	2

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

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

Packaging type

BOX

Country of origin

CN

GTIN



4055143907866

Customs Tariff No.

85044082900

Approvals / Certificates



UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815
	UL Underwriters Laboratories Inc.	UL 508	E255817

Counterpart

Compatible products

ferrule

	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203

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

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	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-302
tools		
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	www.wago.com/210-720
	Item no.: 210-769 SCREWDRIVER; green	www.wago.com/210-769
Strain relief plate		
	Item no.: 2092-1601 Gripping plate; light gray	www.wago.com/2092-1601

Downloads

Documentation

Manual

COMPACT Power DC Power Supply	V 1.0.0	pdf 2.6 MB	Download
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Instruction Leaflet

Primär getaktete Stromversorgungen EPSITRON COMPACT Power DC 24 V, 1,3 A		pdf 1.6 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE-Data

CAD data

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

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



EPLAN Data Portal 787-1202	URL	Download
WSCAD Universe 787-1202	URL	Download

Installation Notes

Product family

Compact

[Show all products from the family](#)

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