

Data sheet | Item number: 787-1122

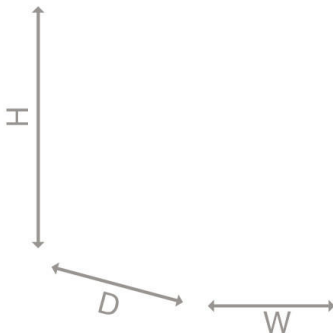
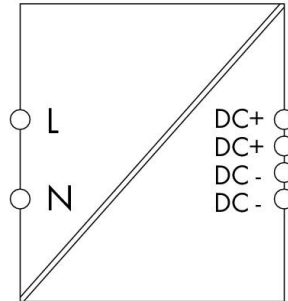
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current

www.wago.com/787-1122



RoHS
Compliant

BOMcheck.net



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 60950-1/UL 60950-1; PELV per EN 60204

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

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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 120 ... 373 V
Input voltage derating	$I_o \leq 3.5 \text{ A}$ (< 100 VAC); $I_o \leq 3 \text{ A}$ (< 90 VAC)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current I_i	$\leq 0.9 \text{ A}$ (230 VAC); $\leq 1.6 \text{ A}$ (110 VAC)
Discharge current	$\leq 1 \text{ mA}$
Inrush current	$\leq 30 \text{ A}$ (NTC)
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 100 \text{ ms}$ (230 VAC); $\geq 15 \text{ ms}$ (110 VAC)

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V (SELV)
Output voltage range	DC 22.8 ... 26.4 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\text{ nom}}$	4 A (24 VDC); 2.4 A (in any mounting position)
Nominal output power	96 W
Control deviation	$\leq 2 \%$
Residual ripple	$\leq 100 \text{ mV}$ (peak-to-peak)
Current limitation	$1.1 \times I_{o\text{ nom}}$ (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	$\leq 0.8 \text{ W}$ (230 VAC; No load); $\leq 13.1 \text{ W}$ (230 VAC; Nominal load)
	14.8 W (264 VAC / 24 VDC; 4 A)

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Power loss (max.) $P_{I(max.)}$

Efficiency (typ.)	88 %
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Circuit protection

Internal fuse	T 4 A / 250 VAC
Required backup fusing	An external DC fuse is required for the DC input voltage.
Recommended backup fusing	Circuit breaker: 6 A, 10 A, 16 A; Tripping characteristic: B or C

Safety and protection

Isolation voltage (Pri.-Sec.)	DC 4.242 kV
Protection class	II
Protection type	IP20 (per EN 60529)
Resistance to reverse feed	$\leq$ DC 30 V
Overvoltage category	II
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	$\leq$ 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®
WAGO Connector	picoMAX® 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 inch

Physical data

Width	90 mm / 3.543 inch
Height	89 mm / 3.504 inch
Depth	59 mm / 2.323 inch
Depth from upper edge of DIN-rail	55 mm / 2.165 inch

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Mechanical data

Mounting type	DIN-35 rail
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Material Data

Flammability class per UL94	V0
Weight	300 g

Environmental Requirements

Surrounding air temperature (operation)	-25 ... 70 °C (Device starts at -40 °C (type-tested))
Surrounding air temperature (storage)	-25 ... 80 °C
Surrounding air (operating) temperature for UL	-25 ... 55 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-3 %/K (> 45 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 60950-1; EN 61204-3; UL 60950-1; UL 508; DNV GL

Commercial data

Packaging type	BOX
Country of origin	CN
GTIN	4055143422017
Customs tariff number	85044082900

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00000KT

UL-Approvals

Certificate

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

Counterpart

Compatible products

tools



Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-720



Item no.: 210-769

SCREWDRIVER; green

www.wago.com/210-769

ferrule



Item no.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-201



Item no.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-202



Item no.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

www.wago.com/216-203



Item no.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

www.wago.com/216-204



Item no.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-301



Item no.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green

www.wago.com/216-302

Strain relief plate



Item no.: 2092-1600

Gripping plate; light gray

www.wago.com/2092-1600

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Item no.: 2092-1601
Gripping plate; light gray

www.wago.com/2092-1601

Downloads Documentation

Bid Text

787-1122 GAEB docx - Datei	Jun 12, 2019	docx 21.7 kB	Download
787-1122 GAEB X81 - Datei	Jul 4, 2019	xml 7.1 kB	Download

Instruction Leaflet

Primär getaktete Stromversorgungen EPSITRON COMPACT Power		pdf 325.8 kB	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

CAE data

EPLAN Data Portal 787-1122	URL	Download
WSCAD Universe 787-1122	URL	Download

Installation Notes

Product family

Compact
[Show all products from the family](#)

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