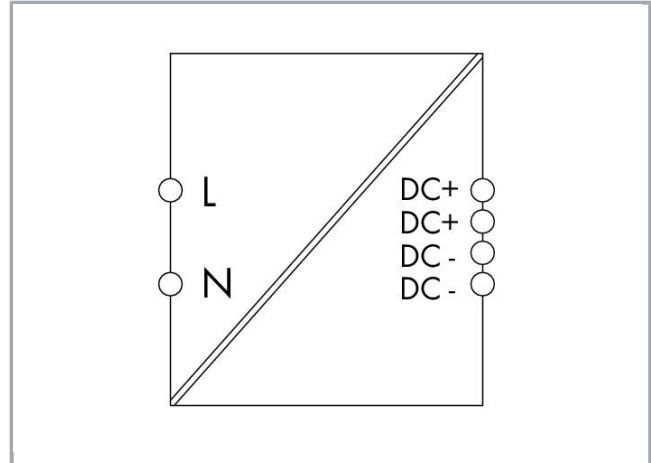


Data sheet | Item number: 787-1112

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



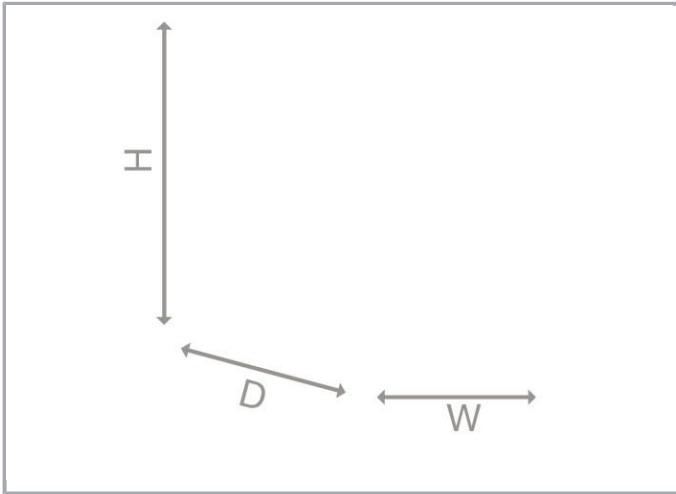
www.wago.com/787-1112



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

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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

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	$I_o \leq 2 \text{ A} (< 100 \text{ VAC}); I_o \leq 1.8 \text{ A} (< 90 \text{ VAC})$
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current I_i	$\leq 0,6 \text{ A} (230 \text{ VAC}); \leq 1,4 \text{ A} (110 \text{ VAC})$
Discharge current	$\leq 1 \text{ mA}$
Inrush current	$\leq 30 \text{ A} (\text{NTC})$
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 80 \text{ ms} (230 \text{ VAC}); \geq 10 \text{ ms} (110 \text{ VAC})$

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Output

Nominal output voltage $U_{o\ nom}$	DC 24 V (SELV)
Output voltage range	DC 22,8 ... 26,4 V (adjustable)
Factory preset	DC 24 V
Nominal output current $I_{o\ nom}$	2,5 A (24 VDC); 1,6 A (in any mounting position)
Nominal output power	60 W
Adjustment accuracy	$\leq 2\%$
Residual ripple	$\leq 100\text{ mV}$ (peak-to-peak)
Current limitation	$1.1 \times I_{o\ nom}$ (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	$\leq 2,2\text{ W}$ (230 VAC; No load); $\leq 8,5\text{ W}$ (230 VAC; Nominal load)
Max. power loss $P_{v\ max.}$	10,5 W (100 VAC / 24 VDC; 2.5 A)
Efficiency (typ.)	88 %

Fuse protection:

Internal fuse	T 2 A / 250 VAC
External fuse (required)	An external DC fuse is required for the DC input voltage.
External fuse (recommended)	Circuit breaker: 6 A, 10 A, 16 A; Tripping characteristic: B or C

Safety and protection:

Insulation voltage (PRI-SEC)	DC 4,242 kV
Protection class	II
Protection class	IP20 (per EN 60529)
Feedback voltage	$\leq \text{DC } 30\text{ V}$
Overvoltage category	II
Transient protection, primary	Varistor
Overvoltage protection, secondary	$\leq 40\text{ VDC}$ (in the event of a fault)

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



Short circuit protection	Yes
No-load proof	Yes
Parallel operation	Yes
Series connection	Yes
MTBF	> 500,000 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 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

Geometrical Data

Width	72 mm / 2.835 inch
Height	89 mm / 3.504 inch
Depth	59 mm / 2.323 inch
Length from upper-edge of DIN-35 rail	55 mm / 2.165 inch

Mechanical data

Type of mounting	DIN-35 rail (EN 60715)
------------------	------------------------

Material Data

Flammability class per UL94	V0
Weight	240 g

Environmental Requirements

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

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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	4055143422000
Customs Tariff No.	85044082900

Approvals / Certificates

Ship Approvals

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

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

tools

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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.: 2092-1600
Gripping plate; light gray

www.wago.com/2092-1600

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

www.wago.com/2092-1601

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

Downloads

Documentation

Instruction Leaflet

Primär getaktete Stromversorgungen EPSITRON COMPACT Power

pdf
325.8 kB

[Download](#)

Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

pdf
265.8 kB

[Download](#)

CAD/CAE-Data

CAE data

EPLAN Data Portal 787-1112

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URL Download

WSCAD Universe 787-1112

URL Download

Installation Notes

Product family

Compact

[Show all products from the family](#)

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