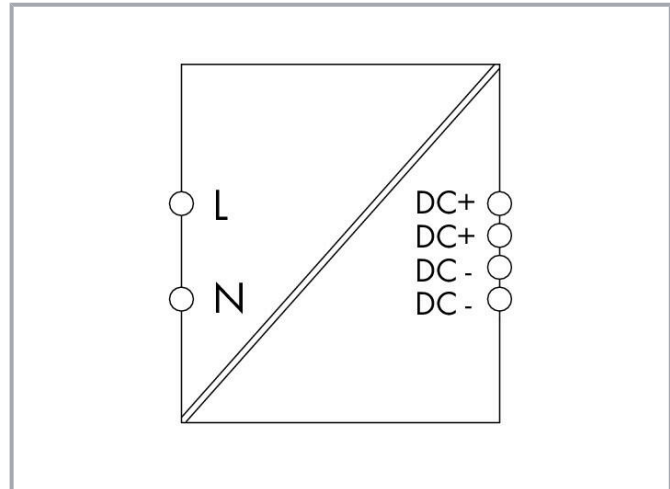


**Data sheet | Item number: 787-1112**

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

[www.wago.com/787-1112](http://www.wago.com/787-1112)



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

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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
- Pluggable picoMAX<sup>®</sup> 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!

## Data

### Technical data

Power loss $P_I$	$\leq 2.2$ W (230 VAC; No load); $\leq 8.5$ W (230 VAC; Nominal load)
Power loss (max.) $P_{I(max.)}$	10.5 W (100 VAC / 24 VDC; 2.5 A)
Efficiency (typ.)	88 %
Nominal output voltage $U_{o nom}$	DC 24 V (SELV)
Output voltage range	DC 22.8 ... 26.4 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o nom}$	2.5 A (24 VDC); 1.6 A (in any mounting position)
Nominal output power	60 W
Control deviation	$\leq 2$ %
Residual ripple	$\leq 100$ mV (peak-to-peak)
Current limitation	$1.1 \times I_{o nom}$ (typ.)
Overload behavior	Constant current
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
Pollution degree	2
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)
Internal fuse	T 2 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
Phases	1
Nominal input voltage $U_{i nom}$	1 x AC 100 ... 240 V
Input voltage range	AC 85 ... 264 V; DC 120 ... 373 V
Input voltage derating	$I_o \leq 2$ A ( $< 100$ VAC); $I_o \leq 1.8$ A ( $< 90$ VAC)

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



Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current $I_i$	$\leq 0.6$ A (230 VAC); $\leq 1.4$ A (110 VAC)
Discharge current	$\leq 1$ mA
Inrush current	$\leq 30$ A (NTC)
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 80$ ms (230 VAC); $\geq 10$ ms (110 VAC)
Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED ( $U_o$ )

### 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 <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

### Physical data

Width	72 mm / 2.835 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

### Mechanical data

Mounting type	DIN-35 rail
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### Material data

Flammability class per UL94	V0
Weight	240 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)

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

Derating

-3 %/K (&gt; 45 °C)

## Standards and specifications

Conformity marking	CE
Standards/Specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 60950-1 UL 508 DNV GL

## Commercial data



PU (SPU)	1 Stück
Packaging type	box
Country of origin	CN
GTIN	4055143422000
Customs tariff number	85044082900

## Approvals / Certificates

### Ship Approvals

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

### UL-Approvals

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

## Optional accessories

Ferrule



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Ferrule

	<b>Item no.: 216-203</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red	<a href="http://www.wago.com/216-203">www.wago.com/216-203</a>
	<b>Item no.: 216-202</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="http://www.wago.com/216-202">www.wago.com/216-202</a>
	<b>Item no.: 216-204</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black	<a href="http://www.wago.com/216-204">www.wago.com/216-204</a>
	<b>Item no.: 216-201</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white	<a href="http://www.wago.com/216-201">www.wago.com/216-201</a>
	<b>Item no.: 216-301</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	<a href="http://www.wago.com/216-301">www.wago.com/216-301</a>
	<b>Item no.: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green	<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>



Tool

Operating tool

	<b>Item no.: 210-769</b> SCREWDRIVER; green	<a href="http://www.wago.com/210-769">www.wago.com/210-769</a>
	<b>Item no.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>

Strain relief

Strain relief plate

	<b>Item no.: 2092-1601</b> Gripping plate; light gray	<a href="http://www.wago.com/2092-1601">www.wago.com/2092-1601</a>
	<b>Item no.: 2092-1600</b> Gripping plate; light gray	<a href="http://www.wago.com/2092-1600">www.wago.com/2092-1600</a>

Downloads

Documentation

Bid Text

787-1112 docx - Datei	2019. 6. 12.	docx 21.6 kB	Download
787-1112 X81 - Datei	2019. 6. 24.	xml 7.1 kB	Download

Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT	pdf	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 787-1112	URL	Download
WSCAD Universe 787-1112	URL	Download

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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 787-1112 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal	URL	Download
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### Installation Notes

#### Product family

##### EPSITRON COMPACT Power

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