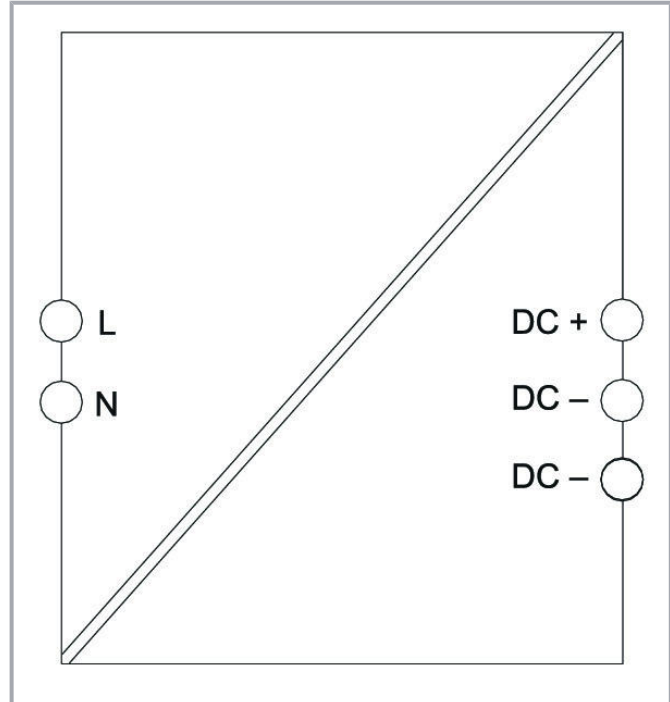


**Data sheet | Item number: 787-1200**

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

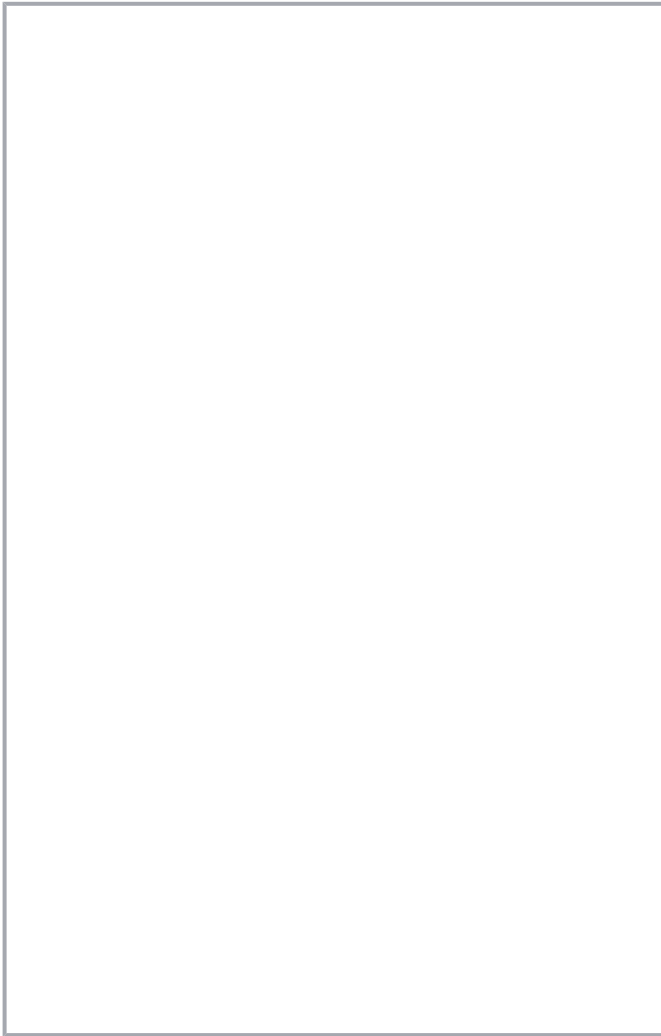
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Subject to changes. Please also observe the further product documentation!

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## Item description

### Features:

- Switched-mode power supply
- Stepped profile, ideal for distribution boards/boxes
- Pluggable *picoMAX*<sup>®</sup> Connection Technology (tool-free)
- Series operation
- Electrically isolated output voltage (SELV) per EN 62368/UL 62368 and EN 60335-1; PELV per EN 60204

## Data

### Technical data

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



## Input

Phases	1
Nominal input voltage $U_{i\text{ nom}}$	1 x AC 100 ... 240 V
Input voltage range	1 x AC 90 ... 264 V
Input voltage derating	-2 %/V (< 100 VAC)
Nominal mains frequency range	47 ... 63 Hz
Input current $I_i$	$\leq 0.27$ A (100 VAC; 0.5 ADC)
Discharge current	$\leq 0.25$ mA
Inrush current	$\leq 30$ A (NTC)
Power factor	$\geq 0.5$
Power factor correction (PFC)	None
Mains failure hold-up time	$\geq 100$ ms (230 VAC)

## Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V (SELV)
Nominal output current $I_{o\text{ nom}}$	0.5 A
Nominal output power	12 W
Control deviation	$\leq 1$ %
Deviation, dynamic load change 10 ... 90 %	$\leq 1$ %
Residual ripple	$\leq 100$ mV (peak-to-peak)
Overload behavior	shutdown and automatic restart in the event of a short circuit

## Signaling and communication

Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED ( $U_o$ )

## Efficiency/power losses

Power loss $P_l$	$\leq 0.2$ W (230 VAC; No load)
Power loss (max.) $P_{l\text{ (max.)}}$	2.5 W (100 VAC / 24 VDC; 0.5 A)
Efficiency (typ.)	83 % (230 VAC; nominal load); 82 % (110 VAC; nominal load)

## Circuit protection

Internal fuse	T 1 A / 250 VAC
Required backup fusing	An external DC fuse is required for the DC input voltage.

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



Recommended backup fusing

Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher

## Safety and protection

Isolation voltage (Pri.-Sec.)	DC 4.242 kV
Protection class	II
Protection type	IP20
Note on protection type	Per EN 60529
Reverse voltage protection	Yes
Resistance to reverse feed	≤ DC 31 V
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Yes
Overvoltage protection; secondary	≤ 31 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	No
Series operation	Yes, for 2 devices of the same type
MTBF	> 700,000 h (per IEC 61709)

## Connection data

Connection type (1)	Input
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
Connection type 2	Output
Connection technology 2	Push-in CAGE CLAMP®
WAGO Connector 2	<i>picoMAX</i> ® 3.5 (WAGO 2091 Series)
Solid conductor 2	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG
Fine-stranded conductor 2	0.2 ... 1.5 mm <sup>2</sup> / 24 ... 14 AWG
Strip length 2	8 ... 9 mm / 0.31 ... 0.35 inch

## Physical data

Width	18 mm / 0.7 inch
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Subject to changes. Please also observe the further product documentation!



Height	90 mm / 3.543 inch
Depth	55 mm / 2.165 inch
Depth from upper edge of DIN-rail	52.5 mm / 2.067 inch

### Mechanical data

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

Color	-
Flammability class per UL94	V2
Fire load	0.072 MJ
Weight	63 g

### Environmental requirements

Surrounding air temperature (operation)	-25 ... +70 °C
Surrounding air temperature (storage)	-40 ... +85 °C
Relative humidity	20 ... 90 % (no condensation permissible)
Derating	-2.6 %/K (> 55 °C)

### Standards and specifications

Conformity marking	CE
Standards/Specifications	EN 61204-3 EN 60335-1 EN 62368 UL 62368 UL 508

### Commercial data

PU (SPU)	1 Stück
Packaging type	box
Country of origin	CN
GTIN	4055143812184
Customs tariff number	85044082900


### Approvals / Certificates

#### Country specific Approvals



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Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02.B. 00089_19

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817
	UR Underwriters Laboratories Inc.	UL 62368-1	E255815

## Optional accessories

## Ferrule

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; light turquoise	<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>

## Tool

Operating tool		
	<b>Item no.: 2092-1630</b> Unlocking tool; orange	<a href="http://www.wago.com/2092-1630">www.wago.com/2092-1630</a>

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



Item no.: 210-769  
SCREWDRIVER; green

[www.wago.com/210-769](http://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](http://www.wago.com/210-720)

## Downloads

### Documentation

#### Manual

Power Supply 24 V	V 1.0.0	pdf 1.2 MB	Download
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#### Bid Text

787-1200 X81 - Datei	2019 Jun 24	xml 7.2 kB	Download
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787-1200 docx - Datei	2019 Jun 12	docx 20.8 kB	Download
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<a href="http://ausschreiben.de/787-1200">ausschreiben.de 787-1200</a>		URL	Download
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#### Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT DC 24 V, 0,5 A	V 2.0.0 2020 Nov 20	pdf 2.4 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

### CAE data

<a href="#">ZUKEN Portal 787-1200</a>		URL	Download
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<a href="#">EPLAN Data Portal 787-1200</a>		URL	Download
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### CAD data

<a href="#">2D/3D Models 787-1200</a>		URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 787-1200

URL

Download

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 0.5 A output current; DC-OK LED

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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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