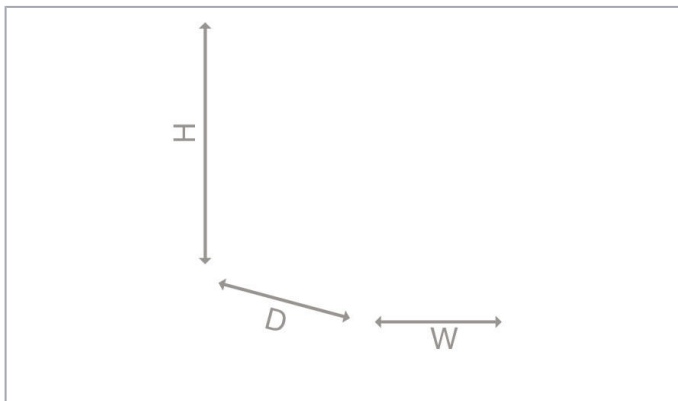
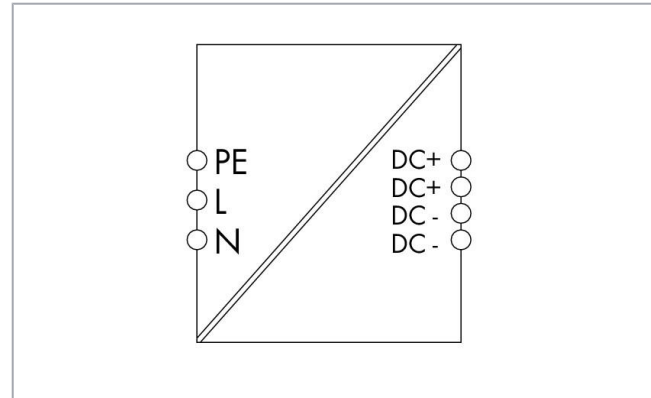
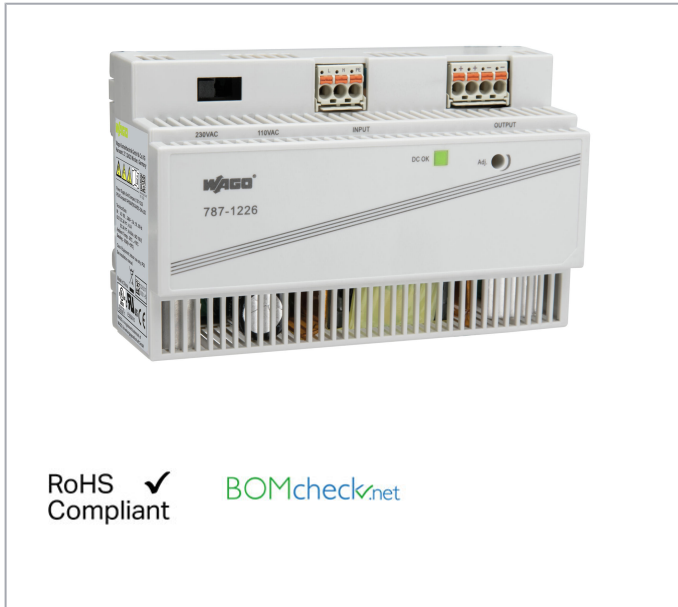


## Data sheet | Item number: 787-1226

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current; DC-OK LED



[www.wago.com/787-1226](http://www.wago.com/787-1226)



## Item description

### Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Screw mounts for alternative installation in distribution boxes or devices
- Pluggable *picoMAX*<sup>®</sup> 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

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

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## Data

### Technical data

#### Input

Phases	1
Nominal input voltage $U_{i \text{ nom}}$	1 x AC 100 ... 120 V; AC 200 ... 240 V
Input voltage range	AC 90 ... 132 V; AC 180 ... 264 V; DC 250 ... 375 V
Input voltage derating	-2 %/V (< 100 VAC)
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current $I_i$	$\leq 3.8 \text{ A}$
Discharge current	$\leq 0.25 \text{ mA}$
Inrush current	$\leq 20 \text{ A}$
Power factor	$\geq 0.5$
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 30 \text{ ms}$

#### Output

Nominal output voltage $U_{o \text{ nom}}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 26 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o \text{ nom}}$	6 A; 4.8 A (< 110 VAC)
Nominal output power	150 W
Control deviation	$\leq 1 \%$
Deviation, dynamic load change 10 ... 90 %	$\leq 1 \%$
Residual ripple	$\leq 100 \text{ mV}$ (peak-to-peak)
Overload behavior	Constant power (in overload range: $1.05 \dots 1.35 \times I_{o \text{ nom}}$ ); 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 ( $U_o$ )

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



## Efficiency/power losses

Power loss $P_l$	$\leq 0.4$ W (230 VAC; No load)
Power loss (max.) $P_{l(max)}$	16.5 W (100 VAC / 24 VDC; 6 A)
Efficiency (typ.)	90 % (230 VAC); 89 % (110 VAC)

## Circuit protection

Internal fuse	T 3.15 A / 500 VAC
Required backup fusing	An external DC fuse is required for the DC input voltage.
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	I
Protection type	IP20 (per EN 60529)
Resistance to reverse feed	$\leq$ DC 35 V
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	$\leq 31$ 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 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

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



## Physical data

Width	144 mm / 5.669 inch
Height	90 mm / 3.543 inch
Depth	56 mm / 2.205 inch
Depth from upper edge of DIN-rail	52.5 mm / 2.067 inch
Note (dimensions)	Depth: 48 mm (without cover)

## Mechanical data

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

Flammability class per UL94	V0
Fire load	0.115 MJ
Weight	510 g

## Environmental requirements

Surrounding air temperature (operation)	-25 ... 70 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Relative humidity	95% (no condensation permissible)
Derating	-2.66 %/K (> 55 °C)
Pollution degree	2
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	4055143415040
Customs tariff number	85044082900



## Approvals / Certificates

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

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## UL-Approvals

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

## Compatible products



## Strain relief plate

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

	Item no.: 216-201 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>
	Item no.: 216-202 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>
	Item no.: 216-203 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>
	Item no.: 216-204 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>
	Item no.: 216-301 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>
	Item no.: 216-302 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>

## tools

	Item no.: 210-720 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>
	Item no.: 210-769 SCREWDRIVER; green	<a href="http://www.wago.com/210-769">www.wago.com/210-769</a>

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## Downloads

### Documentation

#### Manual

COMPACT Power; 1-phase DC 24 V / 6 A	V 1.0.0 24. 11. 2020	pdf 1.7 MB	Download
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#### Bid Text

787-1226 X81 - Datei	25. 11. 2019	xml 7.3 kB	Download
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787-1226 docx - Datei	25. 11. 2019	docx 18.4 kB	Download
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#### Instruction Leaflet

Primär getaktete Stromversorgungen EPSITRON COMPACT Power DC 24 V, 6 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

### CAE data

EPLAN Data Portal 787-1226		URL	Download
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ZUKEN Portal 787-1226		URL	Download
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WSCAD Universe 787-1226		URL	Download
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### CAD data

2D/3D Models 787-1226		URL	Download
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## Environmental Product Compliance

### Compliance Search

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Environmental Product Compliance 787-1226

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Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 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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