

## Data sheet | Item number: 787-1226

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

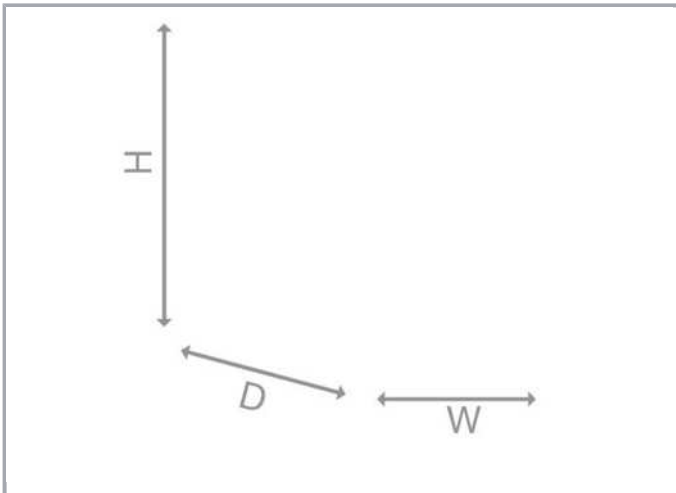
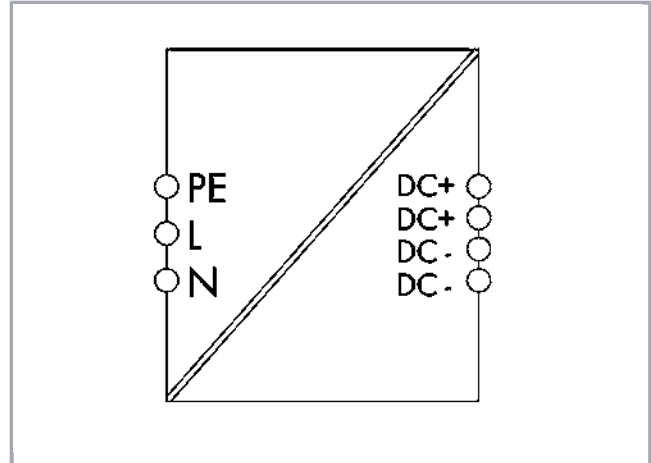


[www.wago.com/787-1226](http://www.wago.com/787-1226)



RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)



### Item description

#### Features:

- Switched-mode power supply

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

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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- Stepped profile for installation in standard distribution boards
- Screw mounts for alternative installation in distribution boxes or devices
- Pluggable *picoMAX*® 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

## Data

### Technical Data

#### Input

Phases	1
Nominal input voltage $U_{i\text{nom}}$	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 $I_i$	$\leq 3,8$ A
Discharge current	$\leq 0,25$ mA
Inrush current	$\leq 20$ A
Power factor	$\geq 0,5$
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 30$ ms

#### Output

Nominal output voltage $U_{o\text{nom}}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 26 V (adjustable)
Factory preset	DC 24 V
Nominal output current $I_{o\text{nom}}$	6 A; 4,8 A (< 110 VAC)
Nominal output power	150 W
Adjustment accuracy	$\leq 1$ %
Deviation, dynamic load change 10 ... 90 %	$\leq 1$ %
Residual ripple	$\leq 100$ 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

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



## Signaling and communication

Signaling	1 x LED DC OK (green)
Operation status indicator	Green LED ( $U_o$ )

## Efficiency/Power losses:

Power loss $P_l$	$\leq 0,4$ W (230 VAC; No load)
Max. power loss $P_{v \max}$	16,5 W (100 VAC / 24 VDC; 6 A)
Efficiency (typ.)	90 % (230 VAC); 89 % (110 VAC)

## Fuse protection:

Internal fuse	T 3.15 A / 500 VAC
External fuse (required)	An external DC fuse is required for the DC input voltage.
External fuse (recommended)	Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher

## Safety and protection:

Insulation voltage (PRI-SEC)	DC 4,242 kV
Protection class	I
Protection class	IP20 (per EN 60529)
Feedback voltage	$\leq$ DC 35 V
Transient protection, primary	Varistor
Overvoltage protection, secondary	$\leq 31$ VDC (in the event of a fault)
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 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!



## Geometrical Data

Width	144 mm / 5.669 inch
Height	90 mm / 3.543 inch
Depth	56 mm / 2.205 inch
Length from upper-edge of DIN-35 rail	52,5 mm / 2.067 inch
Note on dimensions	Depth: 48 mm (without front panel)

## Mechanical data

Type of mounting	DIN-35 rail (EN 60715) Screw mount (back)
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## Material Data

Flammability class per UL94	V0
Weight	510 g

## Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-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 No.	85044082900



## Approvals / Certificates

### UL-Approvals

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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

### ferrule

	<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.: 216-202</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.: 216-203</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.: 216-204</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.: 216-301</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>

### tools

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

### 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>
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## Downloads

### Documentation

#### Manual

COMPACT Power DC Power Supply	V 1.0.0	pdf 2.6 MB	Download
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#### Bid Text

787-1226 GAEB X81 - Datei	Nov 25, 2019	xml 7.3 kB	Download
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787-1226 GAEB docx - Datei	Nov 25, 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

### CAD data

2D/3D Models 787-1226		URL	Download
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### CAE data

EPLAN Data Portal 787-1226		URL	Download
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WSCAD Universe 787-1226		URL	Download
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## Installation Notes

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## Product family

Compact

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