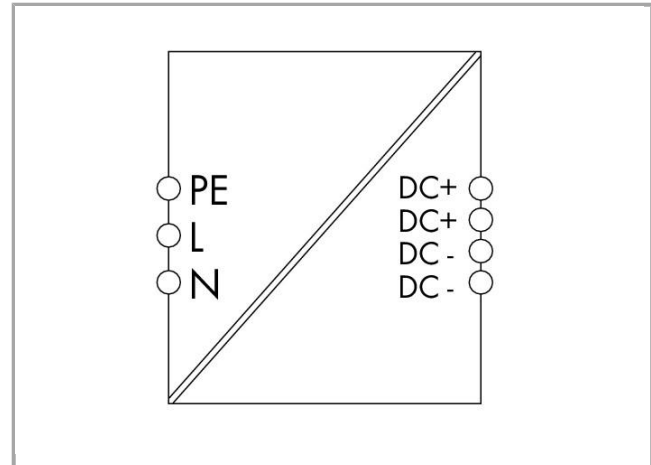
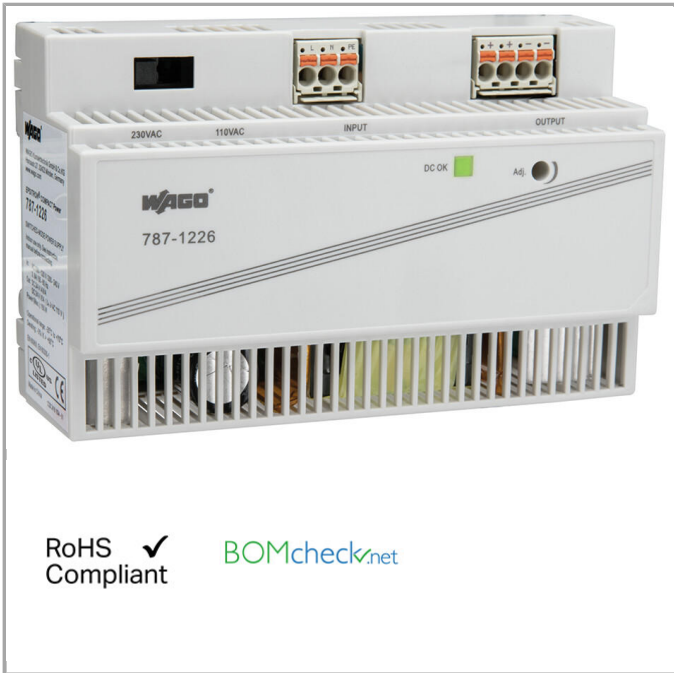


## Data sheet | Item number: 787-1226

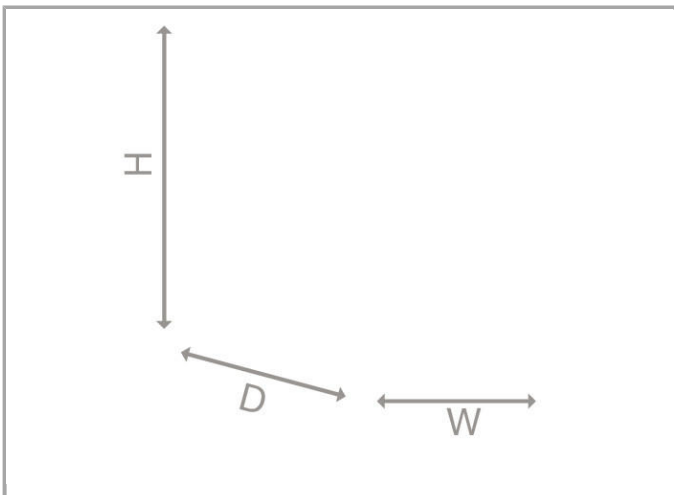
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current



787-1226



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



### Item description

#### Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Screw mounts provide an ideal installation alternative 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 60950-1/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

#### Signaling and communication

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

#### Efficiency/Power losses:

Power loss $P_v$	$\leq 0.4$ W (230 VAC; no load)
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Max. power loss $P_{v \max}$	16.5 W (100 VAC / 24 VDC; 6 A)
Efficiency	90 % (230 VAC); 89 % (110 VAC)

**Fuse protection:**

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

**Safety and protection:**

Insulation voltage (PRI-SEC)	4.242 kV DC
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 case of an error)
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

**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	L=48 mm with front panel

**Mechanical data**

Type of mounting	DIN-35 rail (EN 60715)
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Screw mounting (back/side)

## 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	1
Standards/specifications	EN 61204-3; EN 60335-1; EN 60950-1; UL 60950; UL 508

## Commercial data

Country of origin	CN
GTIN	4055143415040
Customs Tariff No.	85044082900


## Approvals / Certificates

### UL-Approvals

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

## Compatible products

### tools

	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720
	Item no.: 210-769 SCREWDRIVER	210-769



## Strain relief plate



Item no.: 2092-1601  
Gripping plate

2092-1601

## ferrule



Item no.: 216-201  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated

216-201



Item no.: 216-202  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated

216-202



Item no.: 216-203  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated

216-203



Item no.: 216-204  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated

216-204

Item no.: 216-301  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

216-301



Item no.: 216-302  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated

216-302

## 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		doc 37.4 kB	Download
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## Instruction Leaflet

EPSITRON COMPACT Switched-Mode Power Supply 24 VDC, 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 - Smart Data

## CAD data



3D Download 787-1226

URL

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## Product family

EPSITRON COMPACT Power

EPSITRON® COMPACT POWER: Compact, High-Performance Power Supplies

Show all products from the family

Subject to changes.

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