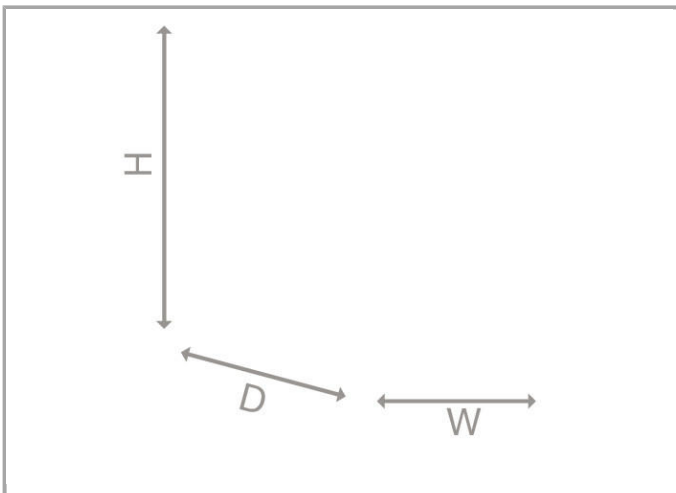
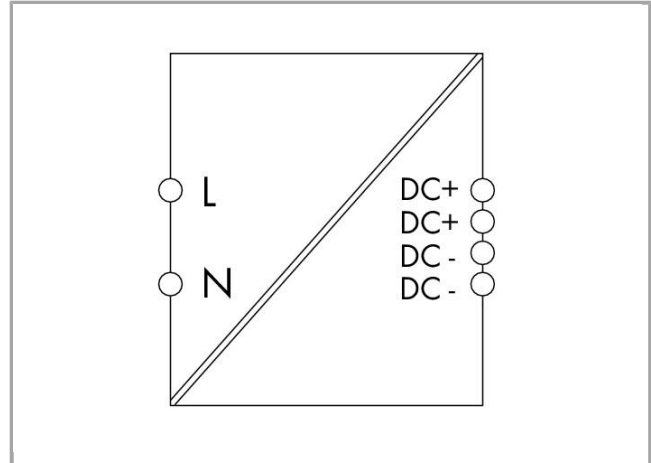


Data sheet | Item number: 787-1122

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal



787-1122



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

**Data****Technical Data****Input**

Phases	1
Nominal input voltage $U_{i\text{nom}}$	AC 100 ... 240 V
Input voltage range	AC 85 ... 264 V; DC 120 ... 373 V
Input voltage derating	$I_o \leq 3.5 \text{ A}$ (< 100 VAC); $I_o \leq 3 \text{ A}$ (< 90 VAC)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz
Input current $I_i$	$\leq 0.9 \text{ A}$ (230 VAC); $\leq 1.6 \text{ A}$ (110 VAC)
Discharge current	$\leq 1 \text{ mA}$
Inrush current	$\leq 30 \text{ A}$ (NTC)
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 100 \text{ ms}$ (230 VAC); $\geq 15 \text{ ms}$ (110 VAC)

**Output**

Nominal output voltage $U_{o\text{nom}}$	DC 24 V (SELV)
Output voltage range	DC 22.8 ... 26.4 V (adjustable)
Factory preset	DC 24 V
Nominal output current $I_{o\text{nom}}$	4 A (24 VDC); 2.4 A (in any mounting position)
Nominal output power	96 W
Adjustment accuracy	$\leq 2 \%$
Residual ripple	$\leq 100 \text{ mV}$ (peak-to-peak)
Current limitation	$1.1 \times I_{o\text{nom}}$ typ.
Overload behavior	Constant current

**Signaling and communication**

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

**Efficiency/Power losses:**

Power loss $P_v$	$\leq 0.8 \text{ W}$ (230 VAC; no load); $\leq 13.1 \text{ W}$ (230 VAC; nominal load)
Max. power loss $P_{v \text{ max.}}$	14.8 W (264 VAC / 24 VDC; 4 A)
Efficiency	88 %

**Fuse protection:**

Internal fuse	T 4 A / 250 VAC
External fuse (required)	an external DC fuse required for DC input voltage
External fuse (recommended)	Circuit breakers 6 A, 10 A, 16 A, characteristic: B or C

**Safety and protection:**

Insulation voltage (PRI-SEC)	4.242 kV DC
Protection class	II
Protection class	IP20 (per EN 60529)
Feedback voltage	$\leq \text{DC } 30 \text{ V}$
Overvoltage category	II
Transient protection, primary	Varistor
Overvoltage protection, secondary	$\leq 40 \text{ VDC}$ (in case of an error)
Short circuit protection	Yes
No-load proof	Yes
Parallel operation	Yes
Series connection	Yes
MTBF	$> 500,000 \text{ h}$ (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	90 mm / 3.543 inch
Height	89 mm / 3.504 inch
Depth	59 mm / 2.323 inch
Length from upper-edge of DIN-35 rail	55 mm / 2.165 inch

## Mechanical data

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

Flammability class per UL94	V0
Weight	300 g

## Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C (Device start at -40 °C type-tested)
Surrounding air (storage) temperature	-25 ... 80 °C
Surrounding air (operating) temperature for UL	-25 ... 55 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-3 %/K (> 45 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721)

## Standards and specifications


Conformity marking	1
Standards/specifications	EN 60950-1; EN 61204-3; UL 60950-1; UL 508; DNV GL

## Commercial data


Country of origin	DE
GTIN	4055143422017
Customs Tariff No.	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



UL  
Underwriters Laboratories Inc.

UL 60950-1



E255815

## Compatible products






### Strain relief plate

	Item no.: 2092-1600 Gripping plate	2092-1600
	Item no.: 2092-1601 Gripping plate	2092-1601

### 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

### 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

#### Bid Text

787-1122	doc 36.4 kB	Download
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#### Instruction Leaflet

Primär getaktete Stromversorgungen EPSITRON COMPACT Power	pdf	Download
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325.8 kB

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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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#### Product family

**EPSITRON COMPACT Power**

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

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Subject to changes.

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