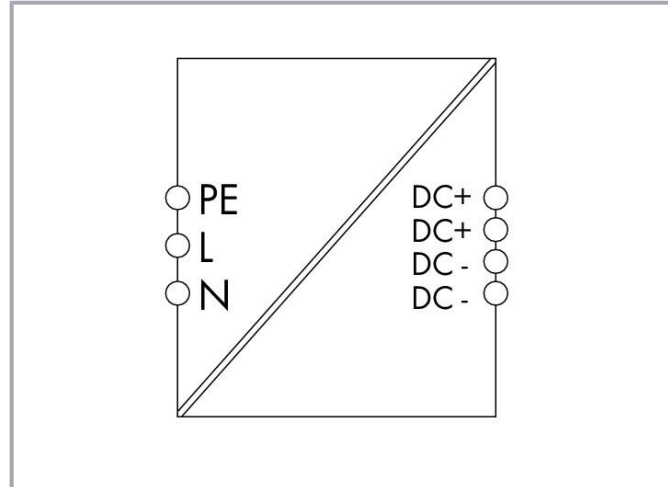


Data sheet | Item number: 787-1226

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



www.wago.com/787-1226



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*[®] 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 $U_{i\text{nom}}$	1 x AC 100 ... 120 V; AC 200 ... 240 V
Input voltage range	1 x 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

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

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Input current I_i	$\leq 3.8 \text{ A}$
Inrush current	$\leq 20 \text{ A}$
Power factor	≥ 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 ... 27 V (adjustable)
Nominal output current $I_{o \text{ nom}}$	6 A; 4.8 A (< 110 VAC)
Nominal output power	150 W
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)

Efficiency/power losses

Power loss P_l	$\leq 0.4 \text{ W}$
Power loss (max.) $P_{l \text{ (max.)}}$	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
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher

Safety and protection

Protection class	I
Protection type	IP20; per EN 60529

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



Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	≤ 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	<i>picoMAX</i> ® 5.0, WAGO 2092 Series
Solid conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data

Width	144 mm / 5.669 inches
Height	90 mm / 3.543 inches
Depth	56 mm / 2.205 inches
Depth from upper-edge of DIN-rail	52.5 mm / 2.067 inches
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	0.243 MJ
Weight	510 g

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C

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

Relative humidity	95% (no condensation permissible)
Derating	-2.66 %/K (> 55 °C)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61204-3 EN 60335-1 EN 62368-1 UL 60950-1 UL 508

Commercial data



eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CN
GTIN	4055143415040
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	705848bc-74cb-41b0-a444-3c4311c395fd
SCIP notification number (Czech Republic)	bfa67b36-0252-4066-be38-f1d0cf4f723b

Approvals / Certificates

General approvals

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 Underwriters Laboratories Inc.	UL 60950-1	E255815

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UL
Underwriters Laboratories Inc.

UL 508

E255817

Optional accessories

Strain relief

Strain relief plate



Item no.: 2092-1601

Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray

www.wago.com/2092-1601

Tool

Operating tool



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719



Item no.: 210-769

SCREWDRIVER; green

www.wago.com/210-769

Downloads

Documentation

Manual

Product Manual COMPACT Power; 1-phase
DC 24 V / 6 A

V 1.0.1
2021 Jan 21

pdf
1.7 MB

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Bid Text

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Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT
DC 24 V, 6 A

pdf
1.6 MB

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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 787-1226	URL	Download
ZUKEN Portal 787-1226	URL	Download
WSCAD Universe 787-1226	URL	Download

CAD data

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

Compliance Search

Environmental Product Compliance 787-1226 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current; DC-OK LED	URL	Download
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Installation Notes

Product family

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