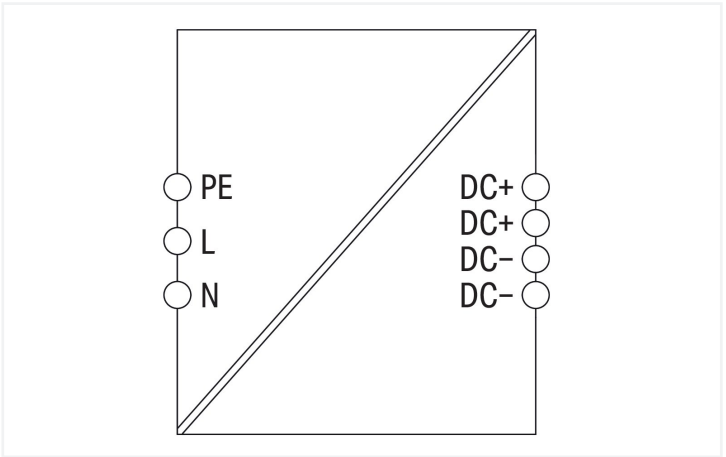


Data Sheet | Item Number: 787-1226

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

<https://www.wago.com/787-1226>



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

Technical data

Input		Output	
Phases	1	Nominal output voltage $U_{o\,nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\,nom}$	1 x 100 ... 120 VAC; 200 ... 240 VAC	Output voltage range	22 ... 27 VDC (adjustable)
Input voltage range		Default Setting	DC 24 V
Input voltage derating	-2 %/V (< 100 VAC)	Nominal output current $I_{o\,nom}$	6 A; 4.8 A (
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output power	150 W
Input current I_i	≤ 3.8 A	Deviation	≤ 1 %
Discharge current	≤ 0.25 mA	Deviation, dynamic load change 10 ... 90 %	≤ 1 %
Inrush current	≤ 20 A	Residual ripple	≤ 100 mV (peak-to-peak)
Power factor	≥ 0.5	Overload behavior	Constant power (in overload range: 1.05 ... 1.35 x $I_{o\,nom}$); Shutdown and automatic restart in the event of a short circuit or permanent overload
Power factor correction (PFC)	Passive		
Mains failure hold-up time	≥ 30 ms		

Signaling and communication

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

Efficiency/power losses

Power loss P_i	≤ 0.4 W
Power loss (max.) $P_{i(max)}$	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	
Isolation voltage (pri.-sec.)	DC 4.242 kV
Protection class	I
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 35 VDC
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	picoMAX® 5.0, WAGO 2092 Series
Solid conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 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	
Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail Screw mount (back)

Material data	
Flammability class per UL94	V0
Fire load	0.241 MJ
Weight	510 g

Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	≤ 95 % (no condensation permissible)
Derating	-2.66 %/K (> 55 °C)
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	
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 8.0	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		Declarations of conformity and manufacturer's declarations
  		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 508	E255817
UR Underwriters Laboratories Inc.	UL 60950-1	E255815

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-1226	



Documentation				
Manual			Bid Text	
Product Manual COM-PACT Power; 1-phase	V 1.0.0 24.11.2020	pdf 1661.72 KB	787-1226	25.11.2019
			xml	7.17 KB
			787-1226	25.11.2019
			docx	17.92 KB
			ausschreiben.de 787-1226	

Instruction Leaflet		
Primär getaktete Stromversorgungen COMPACT	pdf 1527.06 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-1226	EPLAN Data Portal 787-1226
	WSCAD Universe 787-1226
	ZUKEN Portal 787-1226

1 Compatible Products
1.1 Optional Accessories
1.1.1 Strain relief
1.1.1.1 Gripping plate



Item No.: 2092-1601
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 3- to 4-pole; light gray

1.1.2 Tool	
1.1.2.1 Operating tool	
	
<u>Item No.: 210-719</u> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	<u>Item No.: 210-769</u> SCREWDRIVER; green