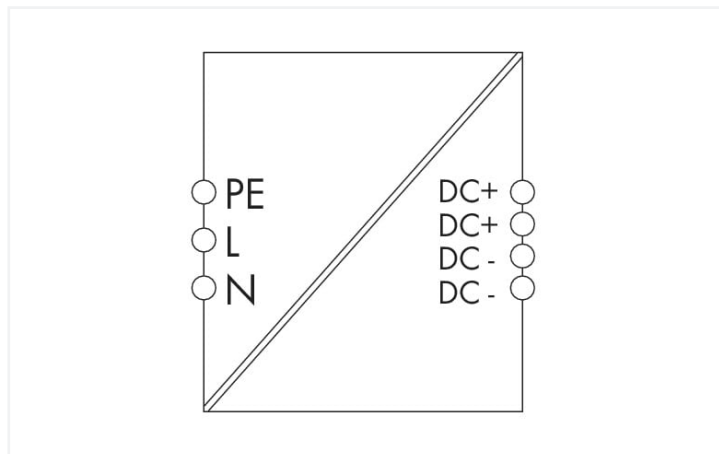


## Data Sheet | Item Number: 787-1212

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED

<https://www.wago.com/787-1212>



### Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Removable front panel and 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 $U_{o, \text{nom}}$	DC 24 V (SELV)
Nominal input voltage $U_{i, \text{nom}}$	1 x AC 100 ... 240 V	Output voltage range	DC 22 ... 26 V (adjustable)
Input voltage range	1 x AC 85 ... 264 V; DC 125 ... 375 V	Default setting	DC 24 V
Input voltage derating	-2 %/V (< 100 VAC); -1.33 %/V (< 140 VDC)	Nominal output current $I_{o, \text{nom}}$	2.5 A; 2 A (
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output power	60 W
Input current $I_i$	$\leq 1.5$ A	Deviation	$\leq 1$ %
Discharge current	$\leq 0.25$ mA	Deviation, dynamic load change 10 ... 90 %	$\leq 1$ %
Inrush current	$\leq 20$ A	Residual ripple	$\leq 100$ mV (peak-to-peak)
Power factor	$\geq 0.5$	Overload behavior	Constant power (in overload range: 1.05 ... 1.35 x $I_{o, \text{nom}}$ ); Shutdown and automatic restart in the event of a short circuit or permanent overload
Power factor correction (PFC)	passive		
Mains failure hold-up time	$\geq 60$ ms		

### Signaling and communication

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

### Efficiency/power losses

Power loss $P_i$	$\leq 0.6$ W
Power loss (max.) $P_{i(\text{max})}$	9 W (100 VAC / 24 VDC; 2.5 A)
Efficiency (typ.)	89 % (230 VAC); 87 % (110 VAC)

### Circuit protection

Internal fuse	T 2 A / 250 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	≤ DC 35 V
Pollution degree	2
Transient suppression (primary)	Varistor
Overtoltage 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 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	72 mm / 2.835 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/side)
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### Material data

Flammability class per UL94	V0
Fire load	0.243 MJ
Weight	288 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)

**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	4055143908016
Customs tariff number	85044083900

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	c24db254-2b66-448b-b18e-27c1dc7ad507
SCIP notification number (Czech Republic)	973be624-07d3-4764-96b0-af72498ce892