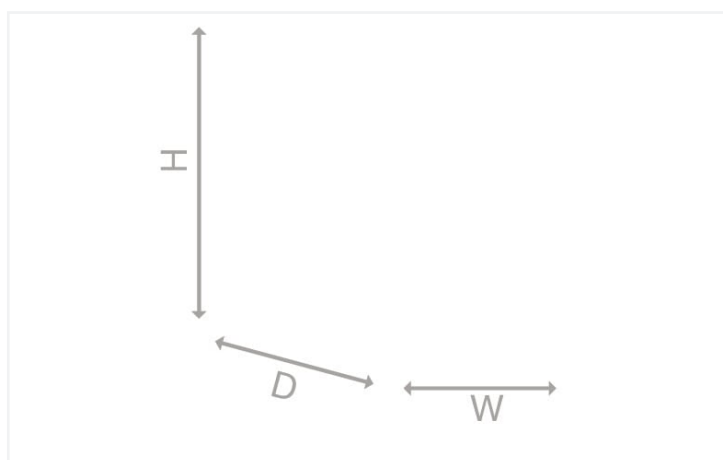
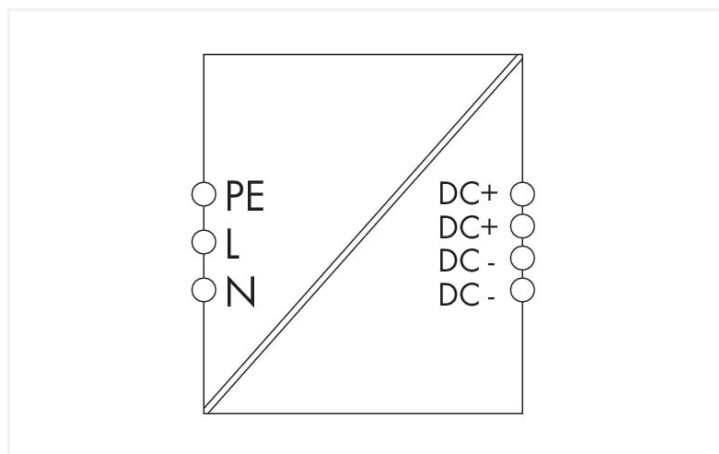


## Data Sheet | Item Number: 787-1216

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4.2 A output current; DC-OK LED

<https://www.wago.com/787-1216>



### 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

Phases	1
Nominal input voltage $U_{i, nom}$	1 x AC 100 ... 240 V
Input voltage range	1 x AC 85 ... 264 V; DC 125 ... 375 V
Input voltage derating	-2 %/V (< 100 VAC); -1.33 %/V (< 140 VDC)
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current $I_i$	≤ 2.5 A
Discharge current	≤ 0.25 mA
Inrush current	≤ 20 A
Power factor	≥ 0.5
Power factor correction (PFC)	passive
Mains failure hold-up time	≥ 50 ms

#### Output

Nominal output voltage $U_{o, nom}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 26 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o, nom}$	4.2 A; 3.3 A (
Nominal output power	100 W
Deviation	≤ 1 %
Deviation, dynamic load change 10 ... 90 %	≤ 1 %
Residual ripple	≤ 100 mV (Peak-to-peak)
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

### Signaling and Communication

Signaling	1 x LED DC OK (green)
Operation status indicator	Green LED (U <sub>o</sub> )

### Efficiency/power losses

Power loss P <sub>I</sub>	≤ 0.7 W
Power loss (max.) P <sub>I(max)</sub>	15 W (100 VAC / 24 VDC; 4.2 A)
Efficiency (typ.)	90 % (230 VAC); 87 % (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	≤ DC 35 V
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 <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 inches

### Physical data

Width	108 mm / 4.252 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 MJ
Weight	456.9 g

### Environmental requirements

Ambient temperature (operation at $U_N$ )	-25 ... +70 °C
Surrounding air 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	4055143907804
Customs tariff number	85044083900

### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011,TP TC 020/2011	EAC RU C-DE.AM02. B.00089_19
UL Underwriters Laboratories Inc.	UL 508	E255817
UL Underwriters Laboratories Inc.	UL 60950-1	E255815

### Downloads

### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 787-1216	↓

## Documentation

Manual			
Product Manual COM-PACT Power; 1-phase	V 1.0.0 24.11.2020	pdf 1544.13 KB	↓

Bid Text			
787-1216	04.07.2019	xml 7.26 KB	↓
787-1216	12.06.2019	docx 20.66 KB	↓
ausschreiben.de 787-1216			↓

Instruction Leaflet	
Primär getaktete Stromversorgungen COMPACT	pdf 1527.06 KB ↓

## CAD/CAE-Data

CAD data	
2D/3D Models 787-1216	↓

CAE data	
EPLAN Data Portal 787-1216	↓
WSCAD Universe 787-1216	↓
ZUKEN Portal 787-1216	↓

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Strain relief

##### 1.1.1.1 Strain relief plate



[Item No.: 2092-1601](#)  
Gripping plate; light gray

##### 1.1.2 Tool

### 1.1.2.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Item No.: 210-769

SCREWDRIVER; green