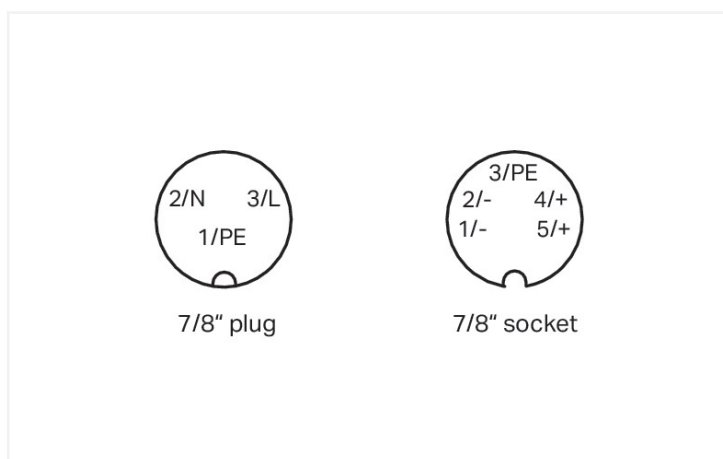
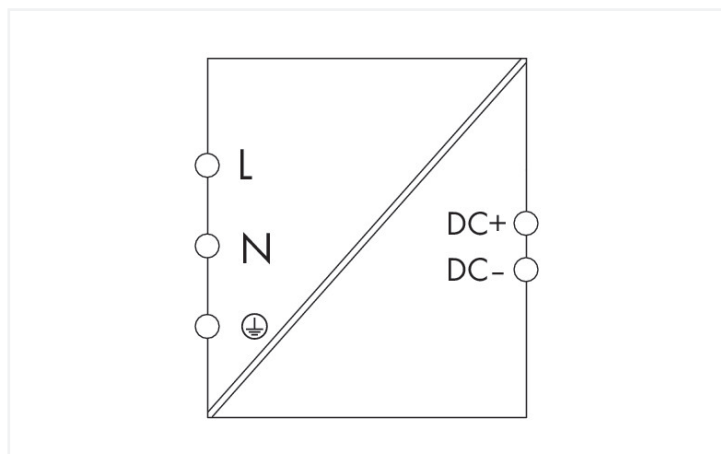


Data Sheet | Item Number: 787-6716

Switched-mode power supply; 1-phase; 24 VDC output voltage; 4 A output current; PowerBoost

<https://www.wago.com/787-6716>



Features:

- Switched-mode power supply with PowerBoost
- Low-profile, compact design
- Extremely robust, fully encapsulated housing (IP67)
- Active power factor correction
- High efficiency up to 92.3%
- Surrounding air temperature up to 85°C
- Suitable for both parallel and series operation

Technical data

Input

Phases	1
Nominal input voltage $U_{i, \text{nom}}$	AC/DC 100 ... 240 V
Input voltage range	AC/DC 90 ... 265 V
Nominal mains frequency range	47 ... 63.6 Hz; 0 Hz
Input current I_i	≤ 0.5 A (250 VAC); ≤ 1.1 A (100 VAC)
Inrush current	≤ 9 A
Power factor	≥ 0.98
Power factor correction (PFC)	active
Mains failure hold-up time	≥ 45 ms

Output

Nominal output voltage $U_{o, \text{nom}}$	DC 24 V
Output voltage range	± 2 %
Nominal output current $I_{o, \text{nom}}$	4 A
Nominal output power	96 W
Residual ripple	≤ 100 mV (peak-to-peak); ≤ 20 mV (rms)
Overload behavior	Constant current
PowerBoost	DC 6 A (5 s; without voltage drop)

Signaling and communication

Signaling	1 x LED DC OK (green) 1 x Overload LED (red)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)

Efficiency/power losses

Power loss P_I	$\leq 1 \text{ W}; \leq 7.9 \text{ W}$ (nominal load)
Efficiency (typ.)	92.3 % (230 VAC)

Circuit protection

Internal fuse	T 6.3 A
Backup fusing (recommended)	Circuit breaker: 4 ... 20 A; Characteristic: C T 20 A in building installations

Safety and protection

Protection class	I
Protection type	IP67
Resistance to reverse feed	$\leq \text{DC } 35 \text{ V}$
Overvoltage protection; secondary	$\leq 30 \text{ VDC}$ (per IEC 61131)
Short-circuit-protected	Yes
Parallel operation	3 devices (max.)
Series operation	2 devices (max.)
MTBF	> 960,000 h

Connection data

Connection type 1	Input
Connection technology	7/8"; 3-pole plug
Connection type 2	Output
Connection technology 2	7/8"; 5-pole socket

Physical data

Width	111 mm / 4.37 inches
Height	141 mm / 5.55 inches
Depth	54 mm / 2.123 inches

Mechanical data

Mounting type	Screw mount
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Material data

Fire load	0 MJ
Weight	1100 g

Environmental requirements

Ambient temperature (operation)	-40 ... +85 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	4 ... 100 %
Derating	-3.84 W/K (> 60 °C)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204 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	CZ
GTIN	4055143644877
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 787-6716



Documentation

Bid Text			
787-6716	04.07.2019	xml 6.10 KB	↓
787-6716	12.06.2019	docx 18.81 KB	↓

Instruction Leaflet			
Primär getaktete Stromversorgung IP67	18.05.2021	pdf 447.12 KB	↓

CAD/CAE-Data

CAE data	
EPLAN Data Portal 787-6716	↓