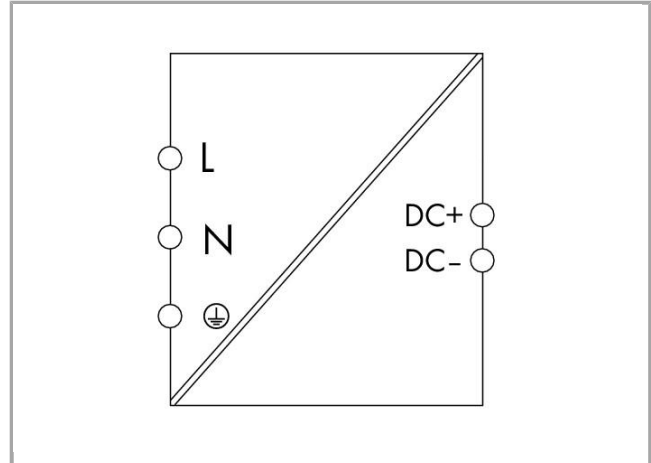


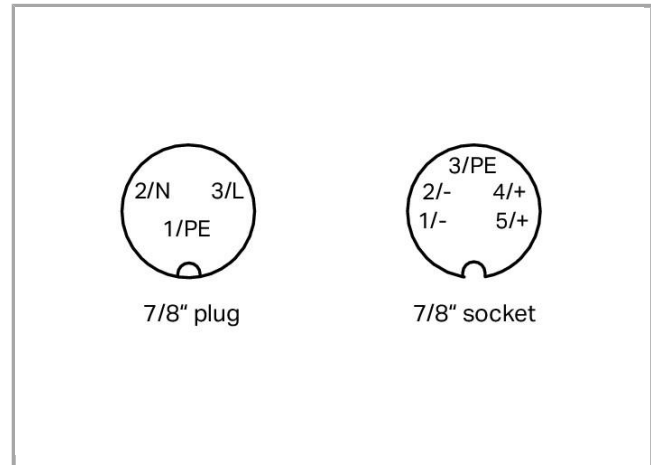
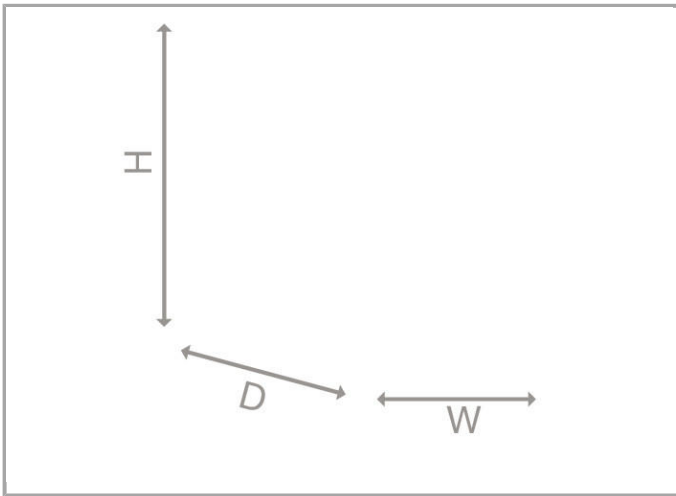
Data sheet | Item number: 787-6716

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



787-6716





Item description

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%
- Ambient operating temperature 85°C
- Suitable for both parallel and series operation

Data

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	$\leq 0.5 \text{ A (250 VAC)}$; $\leq 1.1 \text{ A (100 VAC)}$
Inrush current	$\leq 9 \text{ A}$
Power factor	≥ 0.98
Power factor correction (PFC)	Aktive
Mains failure hold-up time	$\geq 45 \text{ ms}$

Output

Nominal output voltage $U_{o\text{nom}}$	DC 24 V
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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 LED overload (red)
Operation status indicator	LED green (24 VDC OK) LED red (overload)

Efficiency/Power losses:

Power loss P_v	≤ 1 W (no load); ≤ 7.9 W (nominal load)
Efficiency	92.3 % (230 VAC)

Fuse protection:

Internal fuse	T 6.3 A
External fuse (recommended)	Circuit breakers 4 ... 20 A, characteristic: C T 20 A in building installations

Safety and protection:

Protection class	I
Protection class	IP67
Feedback voltage	≤ DC 35 V
Overvoltage protection, secondary	≤ 30 VDC (per IEC 61131)
Short circuit protection	Yes
Parallel operation	Max. 3 devices
Series connection	Max. 2 devices
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

Geometrical Data

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

Mechanical data

Type of mounting	Screw mounting
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Material Data

Weight	1100 g
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Environmental Requirements

Surrounding air (operating) temperature	-40 ... 85 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Relative humidity	4 ... 100 %
Derating	-3.84 W/K (> 60 °C)
Climatic category	4K6 (per EN 60721)

Standards and specifications


Conformity marking	1
Standards/specifications	EN 60950; EN 61204; UL 508

Commercial data

Country of origin	CZ
GTIN	4055143644877
Customs Tariff No.	85044090900















Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817

Compatible products

wiring and connectors

	Item no.: 787-6716/9000-1000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole	787-6716 /9000-1000
	Item no.: 787-6716/9100-000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Plug, straight	787-6716 /9100-000
	Item no.: 787-6716/9300-000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Socket, straight	787-6716 /9300-000
	Item no.: 787-6716/9310-030 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 3 m	787-6716 /9310-030
	Item no.: 787-6716/9310-050 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 5 m	787-6716 /9310-050
	Item no.: 787-6716/9310-100 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 10 m	787-6716 /9310-100
	Item no.: 787-6716/9400-000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Socket, angled	787-6716 /9400-000
	Item no.: 787-6716/9500-000 Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Plug, straight	787-6716 /9500-000
	Item no.: 787-6716/9510-015 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 1.5 m	787-6716 /9510-015
	Item no.: 787-6716/9510-030 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 3 m	787-6716 /9510-030
	Item no.: 787-6716/9510-050 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 5 m	787-6716 /9510-050
	Item no.: 787-6716/9600-000 Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Plug, angled	787-6716 /9600-000
	Item no.: 787-6716/9700-000 Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Socket, straight	787-6716 /9700-000
	Item no.: 787-6716/9800-000 Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Socket, angled	787-6716 /9800-000



**Downloads
Documentation**

Bid Text

787-6716		doc 36.4 kB	Download
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Instruction Leaflet

Primär getaktete Stromversorgung EPSITRON IP67 Power DC 24 V, 4 A		pdf 454.0 kB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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Subject to changes.
