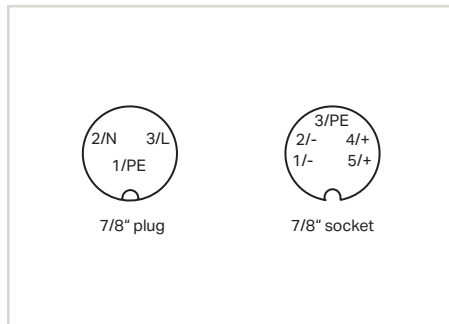
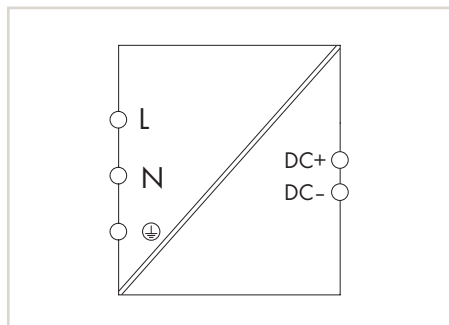
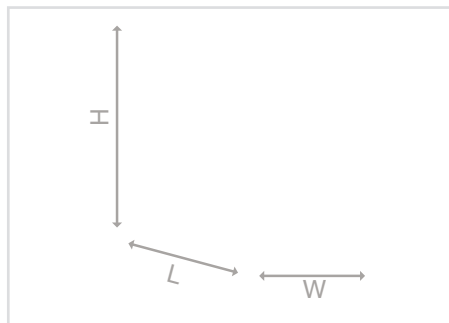


Switched-Mode Power Supply; 1-Phase; EPSITRON® IP67 Power



Switched-mode power supply; 24 VDC; 4 A

Item No.	Pack. Unit
787-6716	1



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

Technical Data

Input

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

Output

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

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 Loss

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

Fuse Protection

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

Environmental Requirements

Ambient temperature	-40 ... +85 °C
Storage temperature	-40 ... +85 °C
Relative humidity	4 ... 100 %
Derating	-3.84 W/K (> 60 °C)
Climatic category	4K6 (per EN 60721)

Safety and Protection

Protection class	I
Protection type	IP67
Overvoltage protection, secondary	≤ 30 VDC (per IEC 61131)
Short-circuit-protected	Yes
Feedback voltage	≤ 35 VDC
Parallel operation	Max. 3 devices
Series operation	Max. 2 devices
MTBF	> 960,000 h

Connection and Mounting Type

Connection technology	Input: 7/8"; 3-pole; plug Output: 7/8"; 5-pole; socket
Mounting type	Screw mounting

Dimensions and Weight

Dimensions (mm) W x H x D	111 x 141 x 54
Weight	1.1 kg

Standards and Specifications

Standards/specifications	EN 60950; EN 61204-3; UL 508
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