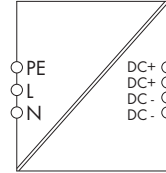


Switched-Mode Power Supply, 1-Phase

EPSITRON® COMPACT Power



- 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)
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1
- Suitable for both parallel and series operation

System Data	
Input	
Nominal input voltage $V_{i, nom}$	100 ... 120 VAC; 220 ... 240 VAC
Input voltage range	90 ... 132 VAC; 180 ... 264 VAC; 250 ... 375 VDC
Input voltage derating	-2 %/V (< 100 VAC)
Frequency	47 ... 63 Hz
Input current I_i	< 3.8 A
Power factor	> 0.5
Discharge current	< 0.25 mA
Inrush current	< 20 A
Mains failure hold-up time	≥ 30 ms
Output	
Nominal output voltage $V_{o, nom}$	24 VDC (SELV)
Output voltage range	22 V ... 26 VDC adjustable
Factory preset	24 VDC
Output current I_o	6.0 A (4.8 A at $V_i < 110$ VAC)
Adjustment accuracy	< 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); shutdown and automatic restart in the event of a short circuit
Operational indication	Green LED (DC OK)
Efficiency/Power losses:	
Efficiency	> 90 % (230 VAC); > 89 % (110 VAC)
Power loss P_V	0.4 W (230 VAC, no load)
Max. power loss P_V	16.5 W (100 VAC, 6 ADC)
Fuse protection:	
Internal fuse	T 3,15 A/250 V
External fuse	Circuit breakers 6 A (characteristic: C), 10 A (characteristic: B) or higher; An external DC fuse is required for the DC input voltage

Description	Item No.	Pack. Unit
Switched-mode power supply, 24 VDC / 6 A	787-1226	1
Technical Data		
Environmental requirements:		
Ambient operating temperature	-25 °C ... +70 °C	
Storage temperature	-40 °C ... +85 °C	
Relative humidity	95 % (no condensation permissible)	
Derating	-2.66 %/K (> 55 °C)	
Degree of pollution	2 (per EN 50178)	
Climatic category	3K3 (per EN 60721, except for low air pressure)	
Safety and protection:		
Test voltage PRI-SEC	3 kV AC	
Protection class	I	
Degree of protection	IP20 (per EN 60529)	
Overvoltage protection	< 31 VDC (in the event of a fault)	
Short circuit protection	Yes	
No-load proof	Yes	
Feedback voltage	Max. 35 VDC	
Parallel operation	Yes	
Series connection	Yes	
MTBF	> 500,000 h	
Connection and mounting type:		
Wire connection	Input/Output: picoMAX® (WAGO 2092 Series)	
Cross sections	Input/Output: 0.2 ... 2.5 mm ² /24 ... 12 AWG	
Strip lengths	Input/Output: 9 ... 10 mm/0.35 ... 0.39 in.	
Mounting type	DIN-rail-mount (EN 60715) or screw mount (back/side)	
Dimensions and weight:		
Dimensions (mm) W x H x L	144 x 90 x 56	
Weight	510 g	
Standards and specifications:		
Conformity marking	CE	
Standards/specifications	EN 61204-3, EN 60950-1, EN 60335-1, UL 60950, UL 508* (* pending)	