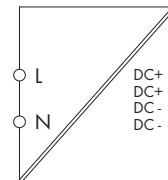


Switched-Mode Power Supply, 1-Phase *EPSITRON*® COMPACT Power



- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Pluggable *picoMAX*® connection technology (tool-free)
- Electrically isolated output voltage (SELV) acc. to EN 60950-1/UL 60950-1
- Suitable for both parallel and series operation

Description	Item No.	Pack. Unit
Switched-mode power supply, 24 VDC, 4 A	787-1122	1

Technical Data	
Input	
Nominal input voltage V _{I nom}	100 ... 240 VAC
Input voltage range	85 ... 264 VAC; 120 ... 373 VDC
Input voltage derating	I _O max. 3.5 A (< 100 VAC); I _O max. 3 A (< 90 VAC)
Frequency	44 ... 66 Hz; 0 Hz
Input current I _i	1.6 A at 110 VAC; 0.9 A at 230 VAC
Inrush current	< 30 A, NTC
Main failure hold-up time	> 15 ms at 110 VAC; > 100 ms at 230 VAC
Output	
Nominal output voltage V _{O nom}	24 VDC (SELV)
Output voltage range	22.8 ... 26.4 VDC, adjustable
Factory preset	24 VDC
Output current I _O	4 A at 24 VDC; max. 2.4 A in any mounting position
Adjustment accuracy	< 2 %
Residual ripple	≤ 100 mV (peak-to-peak)
Current limitation	1.1 x I _O typ.
Overload behaviour	Constant current
Operational indication	Green LED(V _O)
Efficiency/Power losses	
Efficiency	88 % typ.
Power loss P _V	0.8 W (230 VAC/no load); 13.1 W (230 VAC/nominal load)
Max. power loss P _v	14.8 W (100 VAC/24 VDC, 4 A)
Fuse protection	
Internal fuse	T 4 A / 250 V
External fuse	Circuit breakers 6 A, 10 A, 16 A, characteristic B, C;
	An external DC fuse is required for the DC input voltage

Technical Data	
Environmental requirements	
Ambient operating temperature	-25 ... +60 °C (UL: -25 ... +55 °C); Device start at -40 °C type-tested
Storage temperature	-25 ... +80 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-3 %/K (> 45 °C)
Degree of pollution	2 (per EN 50178)
Climatic category	3K3 (per EN 60721)
Safety and protection	
Enclosure	Plastic, light gray, flammability class V0 per UL94
Test voltage PRI-SEC	4.2 kV DC
Protection class	II
Degree of protection	IP20 per EN 60529
Overvoltage category	II
Overvoltage protection	< 40 VDC (in the event of a fault)
Short circuit protection	Yes
No-load proof	Yes
Feedback voltage	Max. 30 VDC
Parallel operation	Yes
Series connection	Yes
MTBF	> 500,000 h
Connection and mounting type	
Wire connection	Input/Output <i>picoMAX®</i> (WAGO 2092 Series)
Cross sections	Input/Output 0.2 ... 2.5 mm² / 24 ... 12 AWG
Strip lengths	Input/Output 9 ... 10 mm / 0.35 ... 0.39 inch
Mounting type	DIN-rail-mount (EN 60715)
Dimensions and weight	
Dimensions (mm) W x H x L	90 x 89 x 59, Length: 55 mm from upper-edge of DIN-rail
Weight	300 g
Standards and specifications	
Standards/specifications	EN 61204-3, EN 60950-1, UL 60950, UL 508, GL