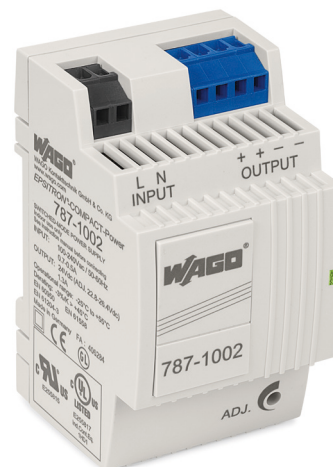


EPSITRON® COMPACT Power – Industrial Power Unit

- Primary switched power supply
- Prepared for devices and systems of protection class II
- Self-cooling by natural convection with horizontal installation position
- Step profile, ideal for installation distributors or system distributors
- Parallel switchable, series switchable
- Galvanically isolated output voltage (SELV) according to EN 60903.50.1/UL 60903.50.1

Type	EPSITRON® COMPACT Power
Item number	14.13.0024
Output voltage/current	24 V DC / 1.3 A

Download
data sheet



Technical specifications – EPSITRON® COMPACT Power

Input:	
AC input voltage	100 ... 240 V
DC input voltage	120 ... 372 V
Input voltage derating	<100 V AC: I _a max.: 1 A
Frequency	44 ... 66 Hz
Input current I _e	0.5 A (230 V AC) 0.7 A (110 V AC)
Leakage current	1 mA type.
Inrush current	< 30 A, NTC
Power failure bypass	>80 ms (230 V AC) >10 ms (110 V AC)
Output:	
Output voltage U _a Nominal	24 V DC (SELV)
Output voltage range	22.8 ... 26.4 V DC adjustable
Output current I _a	1.3 A at 24 V DC Max. 0.9 A with any mounting position
Preset	24 V DC
Control deviation	2 %
Residual ripple	< 100 mV (peak-to-peak) at 20 MHz
Current limitation	1.1 x 1 A type.
Behaviour in case of overload	Constant current
Operating display	LED green (U _a)
Efficiency/ power loss:	
Efficiency	82 % type.
Power loss PV	2.6 W (230 V AC, no-load) 7.0 W (230 V AC, rated load)
Max. power loss PV	7.3 W type. (100 V AC / 24 V DC, 1.3 A)
Fuse protection:	
Internal fuse	T 2 A / 250 V
Recommended back-up fuse	Circuit breaker 10 A, 16 A, characteristic B or C; for DC input voltage an external DC fuse is required

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Ambient conditions:	
Ambient temperature	-25 ... 60 °C (UL: -25 - 55 °C) Start-up at -40 °C type-tested
Storage temperature	-25 ... 80 °C
Relative humidity	5 ... 96 % (no condensation permitted)
Derating	- 3 % / K (> 45 °C)
Pollution level	2 (according to EN 60721)
Climate class	3K3 (according to EN 60721)
Safety and protection:	
Housing	Plastic, light grey Flammability class V0 acc. to UL94
Test voltage Pri.sec.	4.2 kV DC
Protection class	Prepared for protection class II
Protection class	IP20 according to EN 60529
Surge protection	< 40 V DC (in the event of a fault)
Short-circuit proof	yes
Open-circuit proof	yes
Reverse power feedback strength	max. 30 V DC
Parallel connectable	yes
Series connectable	yes
MTBF	50,000 h
Connection and fixing:	
Connection technology	Input / Output: WAGO-Ser. 740
Cross sections	Input / Output: 0.08 ... 2.5 mm ² / AWG 25 ... 12
Stripping lengths	Input / Output: 6 ... 7 mm / 0.24 ... 0.28 in
Mounting type	DIN rail mounting (EN 60715)
Dimensions and weight:	
Dimensions (mm) W x H x D	54 x 89 x 59 Depth: 55 mm from top edge of mounting rail
Weight	180 g
Standards and regulations:	
Standards/ regulations	EN 60950, EN 61204-3, UL 60950, UL 508; GL