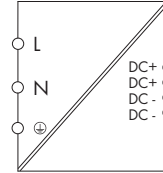


Switched-Mode Power Supply

EPSITRON® CLASSIC Power



- Primary switch mode power supply unit
- Prepared for class I equipment
- Natural convection cooling when horizontally mounted
- Enclosed for use in switchgear cabinets
- Electrically isolated output voltage (SELV) acc. to EN 60950-1/UL 60950

Description	Item No.	Pack. Unit
Switched-Mode Power Supply, 12 V DC / 2 A	787-601	1

Technical Data	
Input:	
Nominal input voltage V_i nom	100 ... 240 VAC; 140 ... 300 VDC
Input voltage range	90 ... 264 VAC; 130 ... 300 VDC
Frequency	50 Hz ... 60 Hz
Input current I_i	0.3 A typ. at 230 VAC
Discharge current	900 μ A typ.
Inrush current	< 25 A
Mains failure hold-up time	> 20 ms at 230 VAC
Output:	
Nominal output voltage V_o nom	12 VDC (SELV)
Output voltage range	11 ... 15 VDC adjustable
Output current I_o	2 A at 12 VDC
Factory preset	12 VDC
Adjustment accuracy	3 %
Residual ripple	< 100 mVpp to 20 MHz
Current limitation	from approx. 1.5 x I_o
Overload behavior	Hiccup
Operational indication	LED green (12 V o.k.)
Efficiency / power losses:	
Efficiency	80 % typ.
Power loss P_V	4.8 W typ. (230 VAC / 12 VDC, 2 A)
Max. power loss P_V	5.7 W typ. (90 VAC / 12 VDC 2 A)
Fuse protection:	
Internal fuse	2 AT / 250 VAC
External fuse	C10 or B16 circuit breakers
An external DC fuse is required for the DC input voltage	
Transient overvoltage protection: Varistor	

Technical Data	
Environmental requirements:	
Ambient operating temperature	-10 °C ... +70 °C
Storage temperature	-25 °C ... +85 °C
Rel. humidity	30 % ... 85 % (no condensation)
Derating	-3 % / K (> 50 °C)
Degree of pollution	2 (acc. to EN 50178)
Climatic category	3K3 (acc. to EN 60721)
Safety and protection:	
Test voltage pri.-sec./ pri.-gr. / sec.-gr.	4.2 kV DC / 2.2 kV DC / 0.7 kV DC
Protection class	Prepared for class I equipment
Degree of protection	IP20 acc. to EN 60529
Overvoltage protection	max. 24 VDC (output)
Overload protection	via thermal protective circuit
Short circuit protection	yes ("hiccup")
No-load proof	yes
Feedback voltage	max. 20 VDC
Parallel operation	no
Series connection	yes
Connection and type of mounting:	
Wire connection	CAGE CLAMP® (WAGO 231 Series)
Cross sections	0.08 ... 2.5 mm ² / AWG 28 ... 12
(THHN, THWN)	
Strip lengths	8 ... 9 mm / 0.33 in
Type of mounting	DIN-rail mount (EN 60715)
Dimensions and weight:	
Dimensions (mm) W x H x L	40 x 95 x 90
Height from upper-edge of DIN 35 rail	
Weight	300 g
Standards and approvals:	
Standards/Specifications	EN 60950-1, EN 61204-3, GL