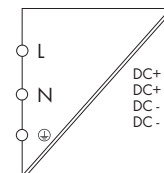


Switched-Mode Power Supply

EPSITRON® CLASSIC Power



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

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	24 VDC (SELV)
Output voltage range	22 ... 28.8 VDC adjustable
Output current I_o	1.3 A at 24 VDC
Factory preset	24 VDC
Adjustment accuracy	3 %
Residual ripple	< 100 mVpp to 20 MHz
Current limitation	from approx. $1.5 \times I_o$
Overload behavior	Hiccup
Operational indication	LED green (24 V o.k.)

Efficiency / power losses:

Efficiency	83 % typ.
Power loss P_V	4.9 W typ. (230 VAC / 24 VDC, 1.3 A)
Max. power loss P_V	7 W typ. (90 VAC / 24 VDC 1.3 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

Description	Item No.	Pack. Unit
Switched-Mode Power Supply, 24 V DC / 1.3 A	787-602	1

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	class I
Degree of protection	IP20 acc. to EN 60529
Overvoltage protection	max. 40 VDC (output)
Overload protection	via thermal protective circuit
Short circuit protection	yes ("hiccup")
No-load proof	yes
Feedback voltage	max. 30 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 mm² / 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, UL 60950, UL 508, GL
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