

Switchmode power supply

2220



- Mains voltage input
- Isolation 3.75 kVAC
- Short-circuit protection
- Thermal overload protection
- Standard 11-pole relay socket



Advanced features

- The power supply is based on secondary switchmode technology to achieve a high efficiency.
- The output is adjustable from front potentiometer in the range 5...24 VDC.

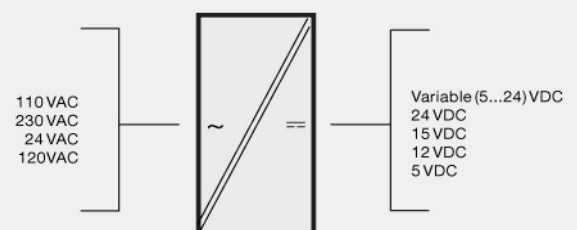
Application

- General power supply for smaller measurement systems requiring fixed stabilized 24 VDC, or supply for any other sensors, transmitters or as a general variable power supply 5 to 24 VDC.
- Two units may be connected in series for plus / minus or higher output voltage.
- Suitable for PELV/SELV applications.

Technical characteristics

- A green LED indicates active output.
- Double-isolated safety transformer.
- Isolation test voltage between input and output is 3.75 kVAC.
- The input circuit is protected with a thermal fuse.
- Output short circuit protection with current limiter.

Connections



Order:

Type	Version	Output
2220	110 VAC : A	Special (5...24 V) : 0
	230 VAC : B	24 VDC : 1
	24 VAC : D	15 VDC : 2
	120 VAC : F	12 VDC : 3
		5 VDC : 4

Environmental Conditions

Specifications range..... -20°C to +60°C
 Relative humidity..... < 95% RH (non-cond.)
 Protection degree..... IP50

Mechanical specifications

Dimensions (HxWxD)..... 80.5 x 35.5 x 84.5 mm (D is without pins)
 Weight approx..... 425 g

Common specifications

Internal consumption..... 4 W
 Isolation voltage, test / working..... 3.75 kVAC / 250 VAC
 Transformer..... EN 60742
 Effect of supply voltage change..... < ±30 mV (±10%)
 Transient stability (10%-max. load)..... < 250 mV
 Temperature coefficient..... 0.05% / °C
 EMC immunity influence..... < ±0.5%

Input specifications

Input voltage (AC)..... 21.6...26.4 VAC
 Input voltage (AC)..... 99...121 VAC
 Input voltage (AC)..... 108...132 VAC
 Input voltage (AC)..... 207...253 VAC
 Frequency..... 50...60 Hz

Output specifications

Output voltage..... 4.75...25.2 VDC
 Output power..... Max. 7 W
 Output current..... 1 A / 5 VDC
 Output current..... 0.55 A / 12 VDC
 Output current..... 0.45 A / 15 VDC
 Output current..... 0.3 A / 24 VDC
 Load effect (10%-max. load)..... < 1.5% / A
 Current limit..... Typ. 2.2 A (short circuit)
 Output ripple..... < 20 mVRMS

Approvals

EMC..... EN 61326-1
 LVD 2006/95/EC..... EN 61010-1
 PELV/SELV..... IEC 364-4-41 and EN 60742
 EAC TR-CU 020/2011..... EN 61326-1