

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.

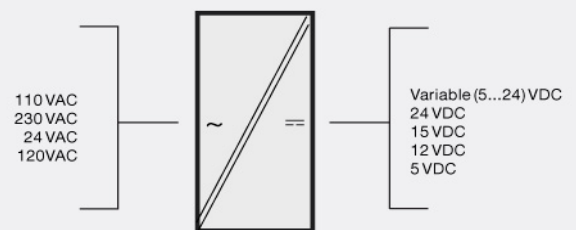
Application

- 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**Isolation voltage**

Isolation voltage, test /
 working..... 3.75 kVAC / 250 VAC

Internal consumption..... 4 W
 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**Current output**

Current limit..... Typ. 2.2 A (short circuit)

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
 Output ripple..... < 20 mVRMS

Observed authority requirements

EMC..... 2014/30/EU
 LVD..... 2014/35/EU
 PELV/SELV..... IEC 364-4-41 and EN 60742

Approvals

EAC..... TR-CU 020/2011