

## 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.

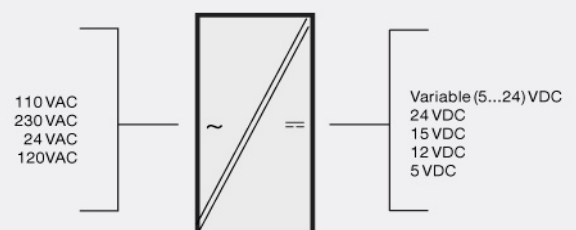
#### Application

- 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.

#### Applications



**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**

Operating temperature..... -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****Supply**

Internal power dissipation..... 4 W

**Isolation voltage**

Isolation voltage, test / working..... 3.75 kVAC / 250 VAC  
PELV/SELV..... IEC 61140

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  
EAC..... TR-CU 020/2011  
EAC LVD..... TR-CU 004/2011