

## Switchmode power supply

### 2222



- 230 or 115 VAC primary voltage
- 24 VDC output voltage
- Double isolation by 3.75 kVAC
- 48 Watt output power, short circuit-protected
- Thermal protection against overload



#### Advanced features

- The power supply is based on primary switchmode technology to achieve a high efficiency.
- An internally mounted potentiometer allows for a  $\pm 5\%$  adjustment of the output voltage.

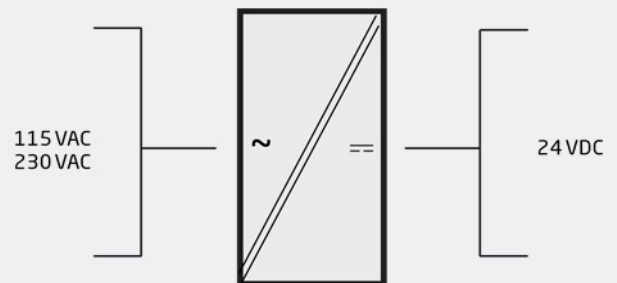
#### Application

- General 24 VDC supply for equipment that requires a stabilised DC voltage.
- Two units can be connected in series to achieve a plus / minus supply or a higher output voltage.
- Separation of circuits in safety installations according to the PELV/SELV norm.
- Galvanic isolation between the primary and the secondary voltage is achieved through the double-isolated safety transformer.

#### Technical characteristics

- A green LED in the front of the module indicates an active primary voltage.
- Input circuit protected with a thermal fuse.
- DC output short circuit protection with current limiter.
- Mounting for a standard 11-pole socket which can be adapted for DIN rail or plate use with PR's 7023 adaptor and 7024 mounting keying.

#### Applications



**Order:**

Type	Input	Output
2222	115 VAC : A	24 VDC : 1
	230 VAC : B	

**Environmental Conditions**

Operating temperature..... -20°C to +60°C  
 Relative humidity..... < 95% RH (non-cond.)  
 Protection degree..... IP30

**Mechanical specifications**

Dimensions (HxWxD)..... 80.5 x 35.5 x 84.5 mm (D is without pins)  
 Weight approx..... 210 g

**Common specifications**

**Supply**  
 Fuse..... 1 A SB / 250 VAC  
 Max. required power..... 60 VA

**Isolation voltage**

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

Effect of supply voltage change..... < 1% ( $\pm 10\%$ )  
 Efficiency.....  $\geq 80\%$   
 Thermal overload protection..... 100°C  
 Power derating..... 1% / °Camb. (Tamb. > 40°C)  
 Transient stability (10%-max. load)..... < 500 mV  
 Temperature coefficient..... 0.05% / °C  
 EMC immunity influence..... <  $\pm 0.5\%$

**Input specifications**

Supply voltage..... 207...253 VAC  
 Supply voltage..... 102.4...132.2 VAC  
 Frequency..... 50...60 Hz

**Output specifications**

**Current output**  
 Current limit..... Nom. 2.5 A (electronic)  
 Output voltage..... 24 VDC  
 Adjustment.....  $\pm 5\%$   
 Output power..... 48 W (max.)  
 Output current..... 2 A / 24 VDC  
 Load effect, (0-max. load)..... < 1.5% / A  
 Output ripple.....  $\leq 40$  mVRMS (100 kHz)

**Observed authority requirements**

EMC..... 2014/30/EU  
 LVD..... 2014/35/EU  
 EAC..... TR-CU 020/2011  
 EAC LVD..... TR-CU 004/2011