

## Switchmode power supply



### 2222

- 230 or 115 VAC primary voltage
- 24 or 15 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.

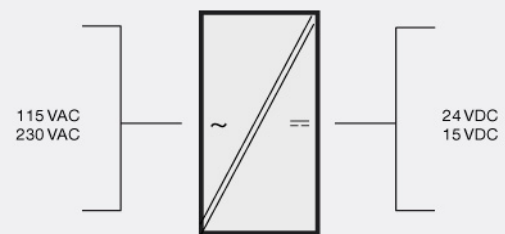
#### Application

- General 24 or 15 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.

#### Connections



**Order:**

Type	Input	Output
2222	115 VAC : A	24 VDC : 1
	230 VAC : B	15 VDC : 2

**Environmental Conditions**

Specifications range.....	-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**

Fuse.....	1 A SB / 250 VAC
Max. power consumption.....	60 VA
Isolation voltage, test / working.....	3.75 kVAC / 250 VAC
Effect of supply voltage change.....	< 1% (±10%)
Efficiency.....	≥ 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.....	< ±0.5%

**Input specifications**

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

**Output specifications**

Output voltage.....	24 or 15 VDC
Adjustment.....	±5%
Output power.....	48 W (max.)
Output current.....	2 A / 24 VDC
Output current.....	2 A / 15 VDC
Load effect, (0-max. load).....	< 1.5% / A
Current limit.....	Nom. 2.5 A (electronic)
Output ripple.....	≤ 40 mVRMS (100 kHz)

**Approvals**

EMC.....	EN 61326-1
LVD.....	EN 61010-1
PELV/SELV.....	IEC 364-4-41 and EN 60742
GOST R.....	Yes