

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.

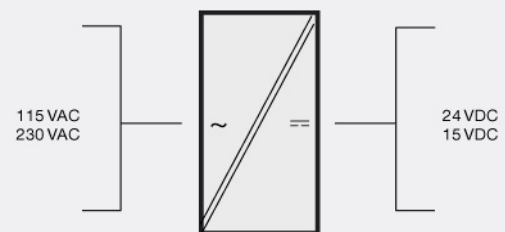
Application

- 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**Isolation voltage**

Isolation voltage, test / working.....	3.75 kVAC / 250 VAC
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Fuse.....	1 A SB / 250 VAC
Max. power consumption.....	60 VA
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**Current output**

Current limit.....	Nom. 2.5 A (electronic)
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
Output ripple.....	≤ 40 mVRMS (100 kHz)

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
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