PERFORMANCE MADE SMARTER

Switchmode power supply

2222

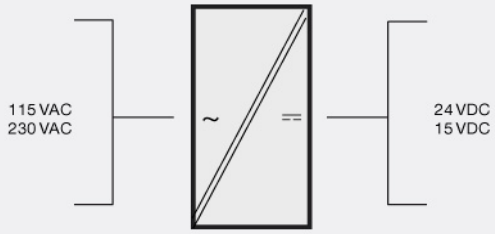
– 230 or 115 VAC primary voltage
– 24 or 15 VDC output voltage
– Double isolation by 3.75 kVAC
– 48 Watt output power, short circuit-protected
– Thermal protection against overload

Advanced features
- The power supply is based on primary switchmode technology to achieve a high efficiency.
- An internally mounted potentiometer allows for a ±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 2006/95/EC..... EN 61010-1
PELV/SELV..... IEC 364-4-41 and EN 60742
EAC TR-CU 020/2011..... EN 61326-1