

Switchmode voltage regulator

2229



- AC/DC input voltage
- Adjustable output 5...24 VDC, max. 40 W
- Adjustable from external potentiometer
- Short-circuit protection
- Thermal overload protection
- Standard 11-pole relay socket



Advanced features

- The regulator is based on primary switchmode technology to achieve a high efficiency.
- The outputs are adjustable from a front potentiometer in the range 5...24 VDC or from an external potentiometer.

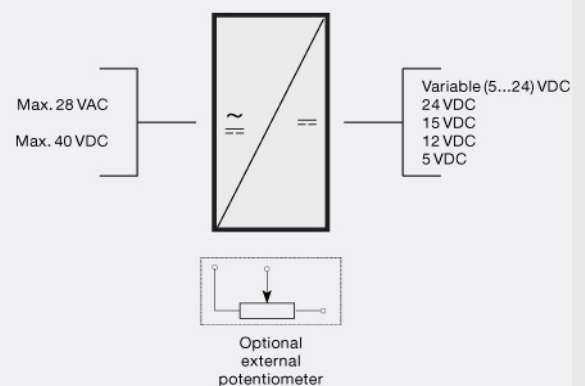
Application

- General voltage regulator for external transformer used in connection with measurement systems requiring fixed stabilized 24 VDC.
- Supply for any other sensors, transmitters or a general variable voltage regulator in the range 5...24 VDC.
- Used as a power efficient pre-regulator for 5 VDC linear regulator (e.g. from 32 V to 8 V).
- Used as adjustable power supply controlled from external potentiometer.

Technical characteristics

- A green LED indicates active output.
- AC or DC input voltages.
- A rectifier bridge allows free choice of polarity for the DC input.
- 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	Version	Output
2229	AC or DC : A	Special (5...24 V) : 0
		24 VDC : 1
		15 VDC : 2
		12 VDC : 3
		5 VDC : 4

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..... 170 g

Common specifications

Internal consumption..... 10 W
Transient stability (10%-max. load)..... < 250 mV
Temperature coefficient..... 0.05% / °C
EMC immunity influence..... < ±0.5%

Input specifications

Input voltage (AC)..... Max. 28 VAC
Input voltage (AC)..... Min. VAC = (Vout. + 5) / 1.2
Input voltage (DC)..... Max. 40 VDC
Input voltage (DC)..... Min. VDC = (Vout. + 5)
Frequency..... 50...60 Hz

Output specifications

Current output

Current limit..... Typ. 5.8 A (short circuit)
Output voltage..... 4.5...26.4 VDC
Output power..... Max. 40 W
Output current..... Max. 2.5 A / 5 VDC
Output current..... Max. 2.5 A / 12 VDC
Output current..... Max. 2.5 A / 15 VDC
Output current..... Max. 1.7 A / 24 VDC
Load effect, (0-max. load)..... < 1.5% / A
Output ripple..... < 20 mVRMS

Observed authority requirements

EMC..... 2014/30/EU

Approvals

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