DUAL SWITCHMODE POWER SUPPLY



- 24 / 115 / 230 VAC supply voltage
- 3.75 kVAC isolation
- 2 adjustable 5...24 VDC outputs
- Output: ±5...24 VDC, 10...48 VDC
- Short-circuit protection
- Thermal protection against overload

Applications:

Supply for small measuring systems that demand 2 stabilsed voltages. • Either as a combination of positive and negative voltages, or as 2 separate supplies as required.

Technical characteristics:

To achieve an adjustable output with minimum power loss, the 2223 is based on switchmode technology. The isolation test voltage between input and outputs being 3.75 kVAC, the unit is suitable in PELV/SELV circuits. The double-isolated safety transformer has a bimetal fuse that disconnects the input circuit if the internal temperature exceeds 100°C. The fuse automatically resets.

Mounting:

The 2223 is for standard 11-pole socket mounting in all positions. To achieve maximum cooling of the module, mounting in a vertical position at a distance of minimum 10 mm between neighbouring units is recommended.

Input:

Standard supply voltage according to the specifications. The built-in double-isolated safety transformer ensures galvanic isolation.

Output:

The outputs are adjustable by 2 front potentiometers in the ranges 5...24 VDC. Two green LEDs, Power ON 1 and Power ON 2, indicate active outputs. The short-circuit protection limits the current on each output. The two supplies are galvanically separated with 500 VAC test voltage and can be connected in series or used as two independent supplies with or without common gnd. By connecting the two outputs in series, 10...48 VDC or $\pm 5...24$ VDC are achieved. The total output power must not exceed 7.5 W.

As regards possible connections of the two outputs, please see the reverse.



Electrical specifications:

Specifications range: -20°C to +60°C

Common specifications:

Observed authority requirements:	Standard:
GOST R approval: VNIIM, Cert. no	See www.prelectronics.com
Load effect, (10%-max. load) Current limit (short circuit) Output ripple	0.30 A / 15 VDC (4.5 W) 0.18 A / 24 VDC (4.3 W) < 1.5% / A Typ. 100 mA
Output: Output voltage Output power, total Output current, per channel	Max. 7.5 W 0.5 A / 5 VDC (2.5 W) 0.37 A / 12 VDC (4.5 W)
Input: Supply voltage Frequency	103.5126.5 VAC 207253 VAC
Effect of supply voltage change (±10%) Transient stability (10%-max. load) EMC immunity influence Relative air humidity Dimensions (HxWxD) Protection degree Weight	< 250 mV < ±0.5% < 95% RH (non-cond.) 80.5 x 35.5 x 84.5 mm IP30
Internal consumption max Isolation, test / operation Isolation output 1 / 2, test / operation . Transformer Temperature coefficient.	3.75 kVAC / 250 VAC 500 VAC / 50 VAC (75 VDC) EN 60742

Standard:
EN 61326-1
EN 61010-1
IEC 364-4-41 and EN 60742



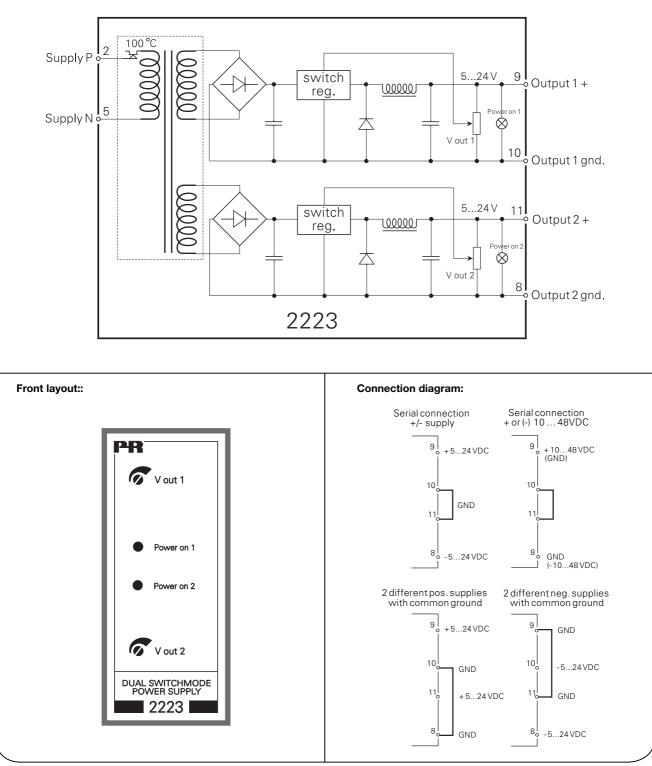


Lerbakken 10 · DK-8410 Rønde Tlf. 8637 2677 · Fax 8637 3085 www.prelectronics.dk

Order: 2223

Туре	Version		Output 1		Output 2		
2223	115 VAC	: A	Special (524 VDC)	: 0	Special (524 VDC)	: 0	
	230 VAC	: B	24 VDC	: 1	24 VDC	: 1	
	24 VAC	: D	15 VDC	: 2	15 VDC	: 2	
			12 VDC	: 3	12 VDC	: 3	
			5 VDC	: 4	5 VDC	: 4	

Block diagram:



2223Y101-UK (0910)