

TRANSFORMER



- Double-isolated transformer
- 3.75 kVAC isolation voltage
- 30 VA ring core transformer
- Thermal overload protection
- 12 or 24 VAC secondary voltage
- Standard 11-pole relay socket



Applications:

Transformer for supply of components with 12 or 24 VAC supply voltage. • Transformer for stabilised DC power supplies, e.g. type 2229.

Technical characteristics:

Ring core transformer with separate 3.75 kVAC isolation voltage between primary and secondary windings. The transformer is fitted with a thermal 100°C fuse. Two transformers may be paralleled for higher output power. The transformer is moulded into the cassette and should be mounted with 10 mm distance to the adjacent cassette for optimal cooling. The load diagram shows the relation between the ambient temperature and maximum VA output. The module is supplied with a retention clip for a safe attachment to the relay socket.

Mounting:

The 2240 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 10 mm between neighbouring units is recommended.

Input:

Standard primary voltages of 115 or 230 VAC. Special primary voltages may be delivered, but are not kept in stock.

Output:

Standard secondary voltages of 12 or 24 VAC. Max DC power after rectification and stabilisation: 20 W. Special secondary voltages may be delivered, but are not kept in stock.

Electrical specifications:

Specifications range:

-20°C to +60°C

Common specifications:

Isolation, test / operation.....	3.75 kVAC / 250 VAC
Power derating	T _{amb.} > 25°C, 0.4 VA/°C
EMC immunity influence	< ±0.5 % of span
Relative air humidity	< 95% RH (non-cond.)
Dimensions (HxWxD).....	80.5 x 35.5 x 84.5 mm
Protection degree.....	IP50
Weight	600 g

Input:

Primary voltage	207...253 VAC
	97.75...132.25 VAC
Frequency.....	50...60 Hz

Output:

Secondary voltage (loaded).....	24 VAC / 1.25 A
Secondary voltage (unloaded).....	28 VAC
Secondary voltage (loaded).....	12 VAC / 2.50 A
Secondary voltage (unloaded).....	14 VAC

GOST R approval:

VNIIM, Cert. no. Available on Request

Observed authority requirements: Standard:

EMC 2004/108/EC	EN 61326-1
LVD 2006/95/EC	EN 61010-1
PELV/SELV.....	IEC 364-4-41 and EN 60742

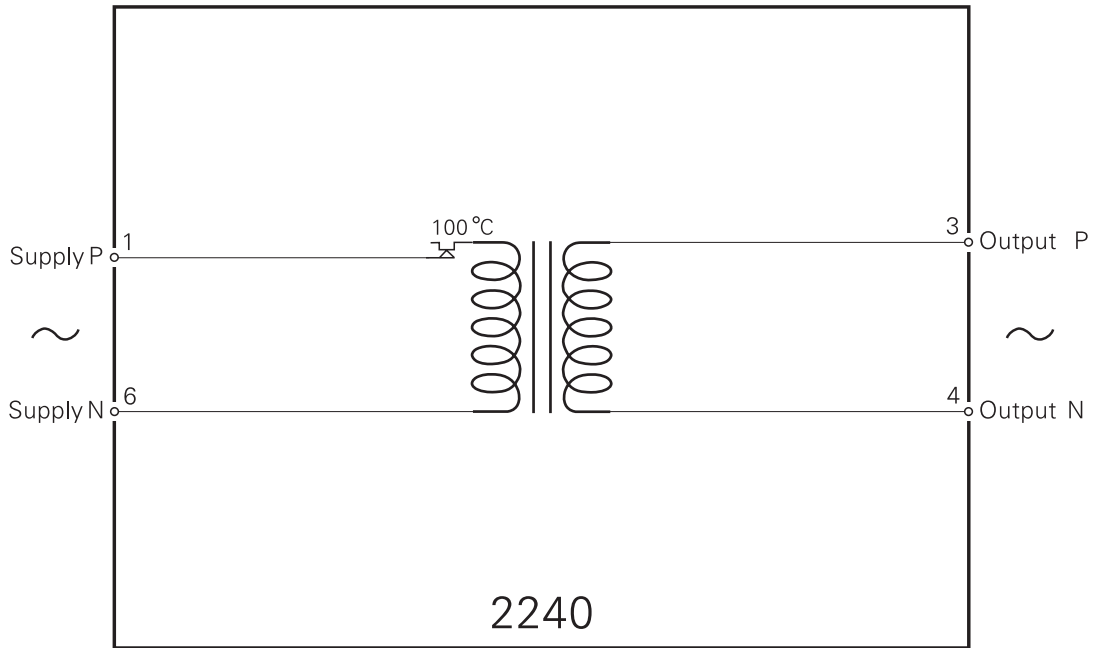
Of span = Of the presently selected range

Order : 2240

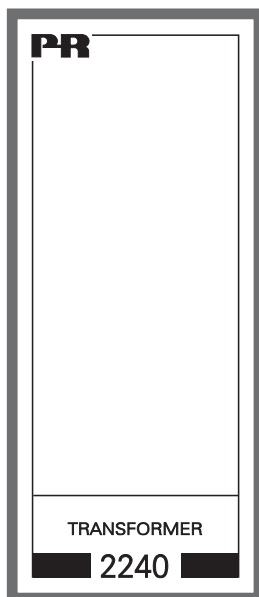
Type	Input	Output
2240	115 VAC : A	Special : 0
	230 VAC : B	24 VAC : 1
	Special : X	12 VAC : 5

For pricing, or any further, information please contact Omni Instruments Ltd
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Block diagram:



Front layout:



Maximum power output:

