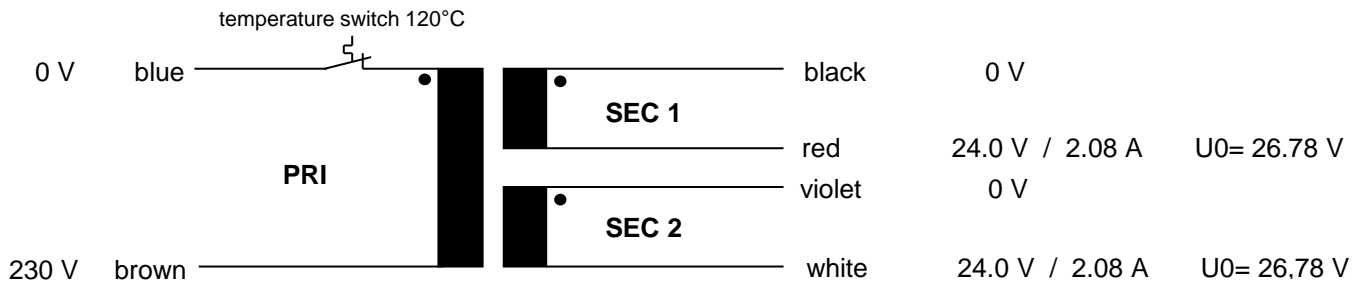


## Data sheet Polytronik® Toroidal transformer

Part no.:	<b>RSO 825029</b>
Description:	RKT 100VA/ 230V/ 2x24.0V 2x2.08A
Isolating transformer according to:	EN 61558-2-4 / VDE 0570
Power [VA]:	100
Input voltage [AC]:	230 V +-10%
Output voltage [AC]:	2 x 24.00 V
Output current [AC]:	2 x 2.08 A
Frequency [Hz]:	50/60
Dielectric strength PRI - SEC [AC]:	4400 V
Efficiency [%]:	87
Power loss at no-load [W]:	1.11
Maximum ambient temperature $t_a$ [°C]:	60
Temperature class:	B (130°C)
Temperature switch:	120°C (automatically resetting)



### Schematic:



possible interconnections: parallel connection **24.0V / 4.16A** = connect black with violet and red with white  
series connection **48.0V / 2.08A** = connect red with violet

Approval marks:	CE; ENEC; UL508 (E182061)
Connections:	primary and secondary strands 200mm long, ends assembled with ferrules
Model:	toroidal transformer potted on mounting disc with through-hole 6.3 mm
Appliance class:	prepared for class II
Protection class:	IP 00
Recommended fuse ratings:	primary 0.800 AT (IEC60127-2-5) secondary 1 2.5 AT (IEC60127-2-3) secondary 2 2.5 AT (IEC60127-2-3)
Dimensions:	diameter approx. = 90 mm height approx. = 55 mm
Weight:	approx. 1.27 kg