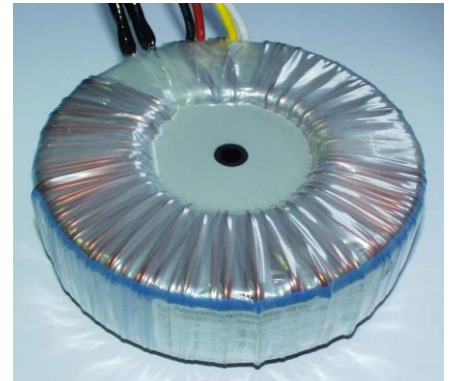
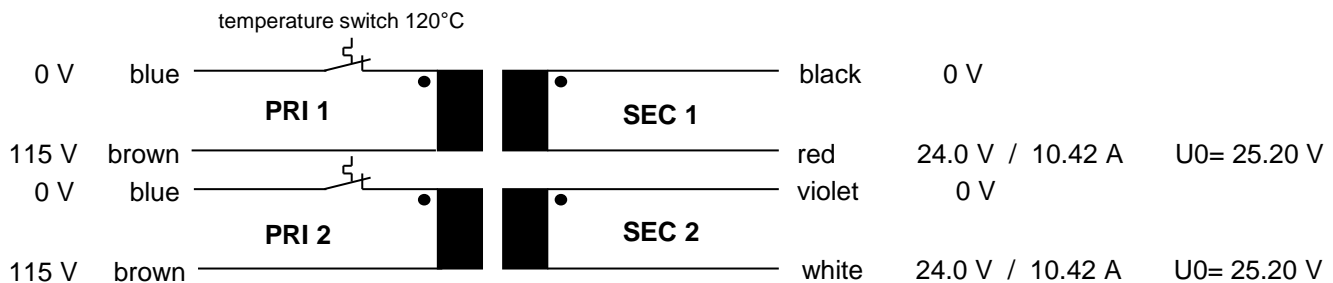


## Data sheet Polytronik® Toroidal transformer

Part no.:	<b>RSO 825062</b>
Description:	RKT 500VA/ 2x115V/ 2x24V 2x10.42A
Isolating transformer according to:	EN 61558-2-4 / VDE 0570
Power [VA]:	500
Input voltage [AC]:	2 x 115 V +-10%
Output voltage [AC]:	2 x 24.00 V
Output current [AC]:	2 x 10.42 A
Frequency [Hz]:	50/60
Dielectric strength PRI - SEC [AC]:	4400 V
Efficiency [%]:	94
Power loss at no-load [W]:	2.86
Maximum ambient temperature $t_a$ [°C]:	60
Temperature class:	B (130°C)
Temperature switch:	125°C (automatically resetting)



### Schematic:



possible connection: parallel connection **115V** = connect blue with blue and brown with brown  
**PRI 1 und PRI 2** series connection **230V** = connect brown with blue

possible connection: parallel connection **24.0V / 20.84A** = connect black with violet and red with white  
**SEC 1 und SEC 2** series connection **48.0V / 10.42A** = connect red with violet

Approval marks:	CE; ENEC; UL508 (E182061)		
Connections:	primary and secondary strands 200mm long, ends assembled with ferrules		
Model:	toroidal transformer pottet on mounting disc with through-hole 8.1 mm		
Appliance class:	prepared for class II		
Protection class:	IP 00		
Recommended fuse ratings:	primary	8.00 AT / 4.00 AT (115V / 230V)	(IEC60127-2-5)
	secondary 1	12.00 AT	(IEC60127-2-3)
	secondary 2	12.00 AT	(IEC60127-2-3)
Dimensions:	diameter approx. =	156 mm	
	height approx. =	62 mm	
Weight:	approx. 4.75 kg		