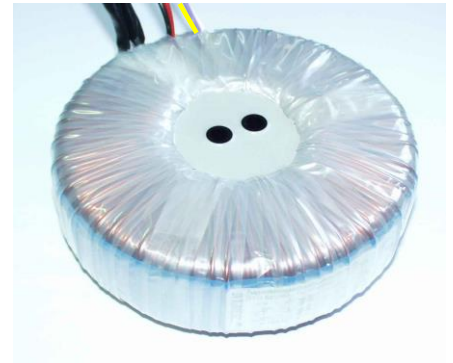
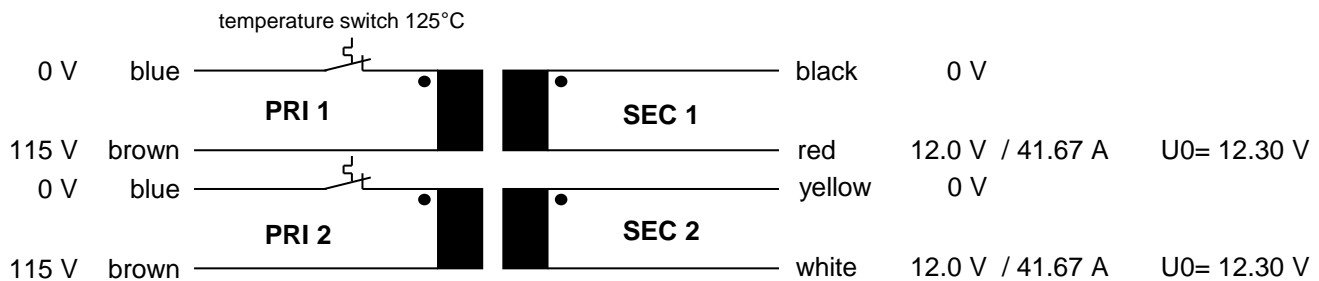


## Data sheet Polytronik® Toroidal transformer

Part no.:	<b>RSO 825070</b>
Description:	RKT 1000VA/ 2x115V/ 2x12V 2x41.67A
Safety isolating transformer according to:	EN 61558-2-6 / VDE 0570
Power [VA]:	1000
Input voltage [AC]:	2 x 115 V +-10%
Output voltage [AC]:	2 x 12.00 V
Output current [AC]:	2 x 41.67 A
Frequency [Hz]:	50/60
Dielectric strength PRI - SEC [AC]:	4400 V
Efficiency [%]:	96
Power loss at no-load [W]:	6,95
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 **12.0V / 83.34A** = connect black with yellow and red with white  
**SEC 1 und SEC 2** series connection **24.0V / 41.67A** = connect red with yellow

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 two through-holes 8.1 mm (hole distance 18 mm)		
Appliance class:	prepared for class II		
Protection class:	IP 00		
Recommended fuse ratings:	primary	10.0 AT / 5.00 AT (115V / 230V)	(IEC60127-2-5)
	secondary 1	45.00 AT	(IEC60127-2-3)
	secondary 2	45.00 AT	(IEC60127-2-3)
Dimensions:	diameter approx. =	198 mm	
	height approx. =	76 mm	
Weight:	approx. 9.60 kg		