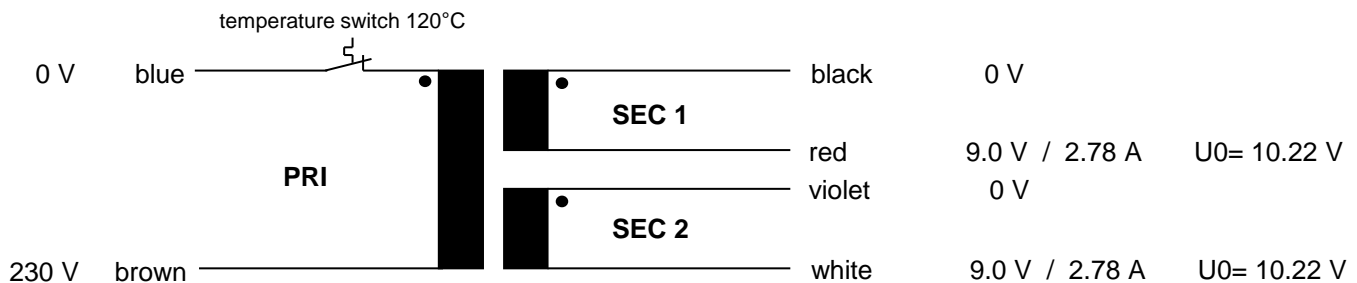


## Data sheet Polytronik® Toroidal transformer

|  |                                 |
|--|---------------------------------|
| Part no.:                                  | <b>RSO 825013</b>               |
| Description:                               | RKT 50VA/ 230V/ 2x9.0V 2x2.78A  |
| Safety isolating transformer according to: | EN 61558-2-6 / VDE 0570         |
| Power [VA]:                                | 50                              |
| Input voltage [AC]:                        | 230 V +-10%                     |
| Output voltage [AC]:                       | 2 x 9.00 V                      |
| Output current [AC]:                       | 2 x 2.78 A                      |
| Frequency [Hz]:                            | 50/60                           |
| Dielectric strength PRI - SEC [AC]:        | 4400 V                          |
| Efficiency [%]:                            | 86                              |
| Power loss at no-load [W]:                 | 0.49                            |
| Maximum ambient temperature $t_a$ [°C]:    | 60                              |
| Temperature class:                         | B (130°C)                       |
| Temperature switch:                        | 120°C (automatically resetting) |



### Schematic:



possible interconnections: parallel connection **9.0V / 3.34A** = connect black with violet and red with white  
 series connection **18.0V / 2.78A** = 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 5.5 mm  |                         |
| Appliance class:          | prepared for class II  |                         |
| Protection class:         | IP 00  |                         |
| Recommended fuse ratings: | primary  | 0.400 AT (IEC60127-2-5) |
|                           | secondary 1  | 3.15 AT (IEC60127-2-3)  |
|                           | secondary 2  | 3.15 AT (IEC60127-2-3)  |
| Dimensions:               | diameter approx. =   | 78 mm                   |
|                           | height approx. =   | 42 mm                   |
| Weight:                   | approx. 0.68 kg  |                         |