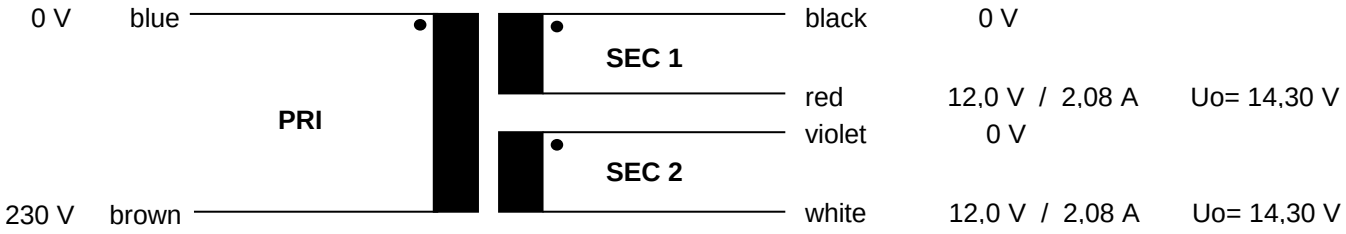
# Data sheet Polytronik® Toroidal transformer

| | |
|---|---|
| Part no.: | **RSO 826020** |
| Description: | RKT 50VA/ 230V/ 2x12,0V 2x2,08A |
| 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 12,00 V |
| Output current [AC]: | 2 x 2,08 A |
| Frequency [Hz]: | 50/60 |
| Dielectric strength PRI - SEC [AC]: | 4400 V |
| Efficiency [%]: | 83 |
| Power loss at no-load [W]: | 0,48 |
| Maximum ambient temperature ta [°C]: | 40 |
| Temperature class: | B (130°C) |

Schematic:




possible interconnection: parallel connection **12.0V / 4.16A** = connect black with violet and red with white
series connection **24.0V / 2.08A** = connect red with violet

Approval marks: CE; ENEC; UL508 (E182061)

Connections: primary wires 210 mm long
secondary wires 200 mm long

Model: toroidal transformer without mounting accessories

Appliance class: prepared for class II

Protection class: IP 00

| Recommended fuse ratings: | | | |
|---|---|---|---|
| | primary | 0.315 AT | (IEC60127-2-5) |
| | secondary 1 | 2.50 AT | (IEC60127-2-3) |
| | secondary 2 | 2.50 AT | (IEC60127-2-3) |

| Dimensions: | | |
|---|---|---|
| | diameter approx. = | 76 mm |
| | height approx. = | 34 mm |

Weight: approx. 0.58 kg