

# Toroidal transformer

## RKE 1600/2x115



## Advantages

|  |
|--|
| Minimum size at high output  |
| Low weight   |
| Double output voltage for series or parallel connection                |
| Minimal no-load losses   |
| Outstanding temperature behaviour thanks to low magnetic leakage field |
| Very low noise field   |

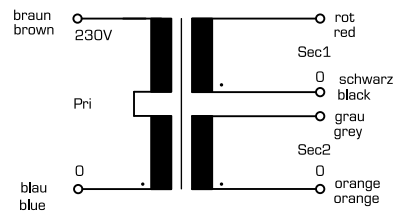
## Applications

As a mains transformer for adjustment of the voltage and simple electrical isolation.

As an isolating transformer for the safe electrical isolation of the input and output sides. The transformer may be used to set up protective separation as a protective measure in accordance with VDE 0100.

As a safety isolating transformer for the safe electrical isolation of the input and output sides. The transformer is suitable for creating SELV and PELV circuits because of the limit on the output voltage.

## Circuit Diagram



Parallelschaltung: rot mit grau / schwarz mit orange  
Parallel connection: red with grey / black with orange

Reihenschaltung: schwarz mit grau  
Series connection: black with grey

## Standards



Safety isolating transformer  
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6,  
UL 5085-1/-2, CSA 22.2 No.66

## Approvals



UL 5085-1/-2, CSA 22.2 No.66



## Toroidal transformer RKE 1600/2x115

| Type                    |                                 | RKE 1600/2x115               |
|-------------------------|---------------------------------|------------------------------|
| Electrical data         | Input                           |                              |
|                         | Rated input Voltage             | 230 Vac                      |
|                         | Rated frequency                 | 50 - 60 Hz                   |
|                         | Output                          |                              |
|                         | Rated output voltage            | 2 x 115 Vac                  |
|                         | Rated Power                     | 1600 VA                      |
|                         | No-load voltage (app. x factor) | 1.02                         |
|                         | No-load loss (typ.)             | 9.60 W                       |
|                         | Efficiency                      | 97 %                         |
|                         | Standards                       |                              |
|                         | Classification                  | Safety isolating transformer |
|                         | Approvals                       |                              |
|                         | Approvals                       | cURus                        |
|                         | Environment                     |                              |
|                         | Ambient temperature max.        | 40 °C                        |
|                         | Safety and protection           |                              |
|                         | Type                            | open type                    |
|                         | Short circuit strength          | non-short-circuit proof      |
|                         | Class of Insulation System      | VDE=B, UL=class 105          |
| Protection index        | IP 00                           |                              |
| Safety class (prepared) | II                              |                              |
| Test voltage            | 4000 Vac, 50 Hz                 |                              |
| Order numbers           |                                 |                              |
| <b>Order Number</b>     | <b>RKE 1600/2x115</b>           |                              |

| Type            |   | RKE 1600/2x115           |
|-----------------|---|--------------------------|
| Mechanical data | Terminal and mounting                         |                          |
|                 | Fixing method                                 | Mounting kit, M5 bolt    |
|                 | Terminals                                     | Connecting leads, 200 mm |
|                 | Measures and weights                          |                          |
|                 | Major diameter Ø                              | 202 mm                   |
|                 | Outside diameter in the area of the wire lead | 205 mm                   |
|                 | Height without mounting                       | 105 mm                   |
| Weight          | 13.50 kg                                      |                          |