

# Toroidal transformer

## RKD 60/2x12



## Advantages

|  |
|--|
| Minimum size at high output  |
| Low weight   |
| Double input voltage for series or parallel connection                 |
| 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.

## 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 RKD 60/2x12

| Type                   |                                 | RKD 60/2x12                  |
|------------------------|---------------------------------|------------------------------|
| Electrical data        | Input                           |                              |
|                        | Rated input Voltage             | 2 x 115 Vac                  |
|                        | Rated frequency                 | 50 - 60 Hz                   |
|                        | Output                          |                              |
|                        | Rated output voltage            | 2 x 12 Vac                   |
|                        | Rated Power                     | 60 VA                        |
|                        | No-load voltage (app. x factor) | 1.14                         |
|                        | No-load loss (typ.)             | 0.70 W                       |
|                        | Efficiency                      | 86 %                         |
|                        | Standards                       |                              |
|                        | Classification                  | Safety isolating transformer |
|                        | Approvals                       |                              |
|                        | Approvals                       | cURus                        |
|                        | Environment                     |                              |
|                        | Ambient temperature max.        | 40 °C                        |
|                        | Safety and protection           |                              |
|                        | Type                            | open type                    |
|                        | Class of Insulation System      | VDE=B, UL=class 105          |
|                        | Protection index                | IP 00                        |
|                        | Safety class (prepared)         | II                           |
| Short circuit strength | non-short-circuit proof         |                              |
| Test voltage           | 4000 Vac, 50 Hz                 |                              |
| Order numbers          |                                 |                              |
| <b>Order Number</b>    | <b>RKD 60/2x12</b>              |                              |

| Type  |                       | RKD 60/2x12              |
|---|-----------------------|--------------------------|
| Mechanical data                               | Terminal and mounting |                          |
|   | Fixing method         | Mounting kit, M6 bolt    |
|   | Terminals             | Connecting leads, 200 mm |
|   | Measures and weights  |                          |
|   | Weight                | 0.75 kg                  |
| Major diameter Ø                              | 80 mm                 |                          |
| Outside diameter in the area of the wire lead | 83 mm                 |                          |
| Height without mounting                       | 38 mm                 |                          |