Safety isolating transformer
# RKD 250/2x12



Picture shows RKD 60 2x12

## Advantages

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

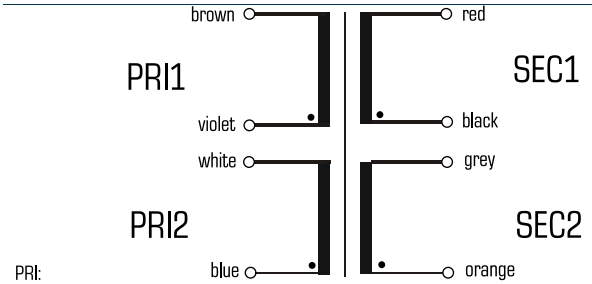
## Applications

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.

## Sample application




PRI:
Parallel connection (115V): brown with white/violet with blue
Series connection (230V): violet with white

SEC:
Parallel connection: red with gresy/black with orange
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

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# Safety isolating transformer
# **RKD 250/2x12**

## Electrical data

| Type | RKD 250/2x12 |
|---|---|
| **Input** | |
| Rated input voltage | 2 x 115 Vac |
| Rated frequency | 50 - 60 Hz |
| **Output** | |
| Rated output voltage | 2 x 12 Vac |
| Rated Power | 250 VA |
| No-load voltage (app. x factor) | 1.05 |
| No-load loss (typ.) | 2.10 W |
| Efficiency | 93.0 % |
| **Standards** | |
| Classification | Safety isolating transformer |
| **Approvals** | |
| Approvals | cURus |
| **Environment** | |
| Ambient temperature max. | 40 °C |
| **Safety and protection** | |
| Type | Open type |
| Insulation class | VDE=B, UL=class 105 |
| Protection index | IP 00 |
| Safety class (prepared) | II |
| Short circuit strength | non-short-circuit proof |
| Test voltage | 4,000 Vac, 50 Hz |
| **Order numbers** | |
| **Order Number** | **RKD 250/2x12** |

## Mechanical data

| Type | RKD 250/2x12 |
|---|---|
| **Terminal and mounting** | |
| Fixing method | Mounting kit, M8 bolt |
| Terminals | Connecting leads, 200 mm |
| **Measures and weights** | |
| Major diameter Ø | 114 mm |
| Outside diameter in the area of the wire lead Ø | 117 mm |
| Height without mounting | 54 mm |
| Weight | 2.50 kg |

Subject to change.