

# Safety isolating transformer RTE 225/2x15



Picture shows RTE 100/2x12

## Advantages

|  |
|--|
| Minimum size at high output  |
| Low weight   |
| Dual output voltage for series or parallel connection              |
| Protected against overload by integral temperature fuse            |
| Minimal no-load losses   |
| Outstanding temperature behavior due 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 as specified in EN 61558-2-6 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 as specified in EN 61558-2-6 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



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



## Safety isolating transformer RTE 225/2x15

| Type                            | RTE 225/2x15                 |
|---------------------------------|------------------------------|
| <b>Electrical data</b>          |                              |
| <b>Input</b>                    |                              |
| Rated input voltage             | 230 Vac                      |
| Rated frequency                 | 50 - 60 Hz                   |
| <b>Output</b>                   |                              |
| Rated output voltage            | 2 x 15 Vac                   |
| Power                           | 225 VA                       |
| No-load voltage (app. x factor) | 1.07                         |
| No-load loss (typ.)             | 1.5 W                        |
| Efficiency                      | 92 %                         |
| <b>Standards</b>                |                              |
| Classification                  | Safety isolating transformer |
| <b>Approvals</b>                |                              |
| Approvals                       | cURus                        |
| <b>Environment</b>              |                              |
| Ambient temperature max.        | 104.0 °F                     |
| <b>Safety and protection</b>    |                              |
| 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                    | 4000 Vac, 50 Hz              |
| <b>Order numbers</b>            |                              |
| <b>Order Number</b>             | <b>RTE 225/2x15</b>          |

| Type  | RTE 225/2x15             |
|---|--------------------------|
| <b>Mechanical data</b>                          |                          |
| <b>Terminal and mounting</b>                    |                          |
| Fixing method                                   | Mounting kit, M8 bolt    |
| Terminals                                       | Connecting leads, 200 mm |
| <b>Measures and weights</b>                     |                          |
| Major diameter Ø                                | 4.53 inch                |
| Outside diameter in the area of the wire lead Ø | 4.61 inch                |
| Height without mounting                         | 2.13 inch                |
| Weight  | 5.07 lbs                 |