

# Safety isolating transformer RTE 50/2x18



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

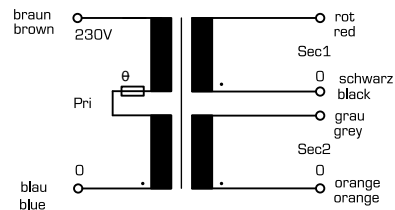
## Applications

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 50/2x18

Type	RTE 50/2x18
<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 18 Vac
Power	50 VA
No-load voltage (app. x factor)	1.20
No-load loss (typ.)	0.4 W
Efficiency	82.5 %
<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 50/2x18</b>

Type	RTE 50/2x18
<b>Mechanical data</b>	
<b>Terminal and mounting</b>	
Fixing method	Mounting kit, M6 bolt
Terminals	Connecting leads, 200 mm
<b>Measures and weights</b>	
Major diameter Ø	3.03 inch
Outside diameter in the area of the wire lead Ø	3.11 inch
Height without mounting	1.54 inch
Weight	1.50 lbs