

# Isolating transformer RTE 500/2x30



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

Isolating transformer  
to: VDE 0570 Teil 2-4, DIN EN 61558-2-4, EN 61558-2-4, IEC 61558-2-4,  
UL 5085-1/-2, CSA 22.2 No.66

## Approvals



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



# Isolating transformer

## RTE 500/2x30

Type		RTE 500/2x30
Electrical data	Input	
	Rated input voltage	230 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	2 x 30 Vac
	Power	500 VA
	No-load voltage (app. x factor)	1.04
	No-load loss (typ.)	3.4 W
	Efficiency	95 %
	Standards	
	Classification	Isolating transformer
	Approvals	
	Approvals	cURus
	Environment	
	Ambient temperature max.	104.0 °F
	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	4000 Vac, 50 Hz	
Order numbers		
<b>Order Number</b>	<b>RTE 500/2x30</b>	

Type		RTE 500/2x30
Mechanical data	Terminal and mounting	
	Fixing method	Mounting kit, M8 bolt
	Terminals	Connecting leads, 200 mm
	Measures and weights	
	Major diameter Ø	5.51 inch
	Outside diameter in the area of the wire lead Ø	5.63 inch
	Height without mounting	2.68 inch
	Weight	10.58 lbs