

# Safety isolating transformer

## RKD 120/2x12



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 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 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 grey/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



## Safety isolating transformer RKD 120/2x12

Type		RKD 120/2x12
Electrical data	Input	
	Rated input voltage	2 x 115 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	2 x 12 Vac
	Power	120 VA
	No-load voltage (app. x factor)	1.08
	No-load loss (typ.)	1 W
	Efficiency	91 %
	Standards	
	Classification	Safety 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	4,000 Vac, 50 Hz	
Order numbers		
<b>Order Number</b>	<b>RKD 120/2x12</b>	

Type		RKD 120/2x12
Mechanical data	Terminal and mounting	
	Fixing method	Mounting kit, M6 bolt
	Terminals	Connecting leads, 200 mm
	Measures and weights	
	Major diameter Ø	3.70 inch
	Outside diameter in the area of the wire lead Ø	3.78 inch
	Height without mounting	1.81 inch
	Weight	3.09 lbs