

# Safety isolating transformer

## RKD 160/2x18



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 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 160/2x18

Type		RKD 160/2x18	Type		RKD 160/2x18
Electrical data	Input		Mechanical data	Terminal and mounting	
	Rated input voltage	2 x 115 Vac		Fixing method	Mounting kit, M6 bolt
	Rated frequency	50 - 60 Hz		Terminals	Connecting leads, 200 mm
	Output			Measures and weights	
	Rated output voltage	2 x 18 Vac		Major diameter Ø	105 mm
	Rated Power	160 VA		Outside diameter in the area of the wire lead Ø	107 mm
	No-load voltage (app. x factor)	1.08		Height without mounting	50 mm
	No-load loss (typ.)	1.10 W		Weight	1.70 kg
	Efficiency	91.0 %			
	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					
<b>Order Number</b>	<b>RKD 160/2x18</b>				