



**Automatización Eléctrica**

Especialistas en Automatización

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# Safety isolating transformer

## RKD 50/2x18



Picture shows RKD 60 2x12

## Advantages

Minimum size at high power
Low weight
Double input voltage for series or parallel connection
Minimal no-load losses
Outstanding temperature behaviour thanks to low magnetic leakage field
Very low noise field

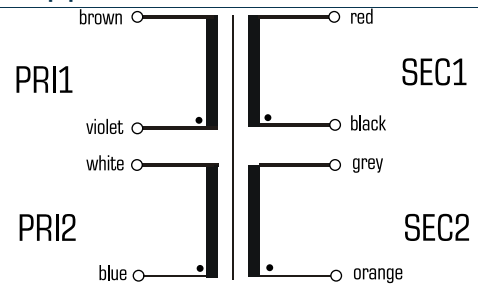
## Applications

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 50/2x18

Type		RKD 50/2x18
Electrical data	Input	
	Rated input voltage	2x115 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	2 x 18 Vac
	Rated Power	50 VA
	No-load voltage (app. x factor)	1.20
	No-load loss (typ.)	0.40 W
	Efficiency	82.5 %
	Standards	
Classification	Safety isolating transformer	
Approvals		
Approvals	cURus	
Environment		
Ambient temperature max.	40 °C	
Safety and protection		
Type	Open type	
Class of Insulation System	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>RKD 50/2x18</b>	

Type		RKD 50/2x18
Mechanical data	Terminal and mounting	
	Fixing method	Mounting kit, M6 bolt
	Terminals	Connecting leads, 200 mm
	Measures and weights	
	Major diameter Ø	77 mm
	Outside diameter in the area of the wire lead Ø	79 mm
	Height without mounting	39 mm
	Weight	0.68 kg



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Product	Code	Reference	Product link
Toroidal safety isolating and isolating transformer PRI 2 x 115 Vac, SEC 15 - 3000 VA, 2 x 12 - 2 x 115 Vac	RKD502x18	RKD 50/2x18	<a href="#">Buy on EAN</a>