

# Isolating transformer RKD 100/2x24



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

Isolating transformer  
to: VDE 0570 Part2-4, 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 RKD 100/2x24

Type	RKD 100/2x24
<b>Electrical data</b>	
<b>Input</b>	
Rated input voltage	2 x 115 Vac
Rated frequency	50 - 60 Hz
<b>Output</b>	
Rated output voltage	2 x 24 Vac
Power	100 VA
No-load voltage (app. x factor)	1.10
No-load loss (typ.)	0.9 W
Efficiency	88 %
<b>Standards</b>	
Classification	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	4,000 Vac, 50 Hz
<b>Order numbers</b>	
<b>Order Number</b>	<b>RKD 100/2x24</b>

Type	RKD 100/2x24
<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	3.62 inch
Outside diameter in the area of the wire lead Ø	3.70 inch
Height without mounting	1.77 inch
Weight	2.65 lbs