Isolating transformer
RKD 100/2x30



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

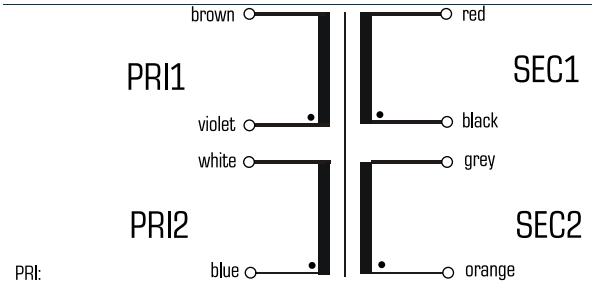
Applications

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 gresy/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

BLOCK Transformatoren-Elektronik GmbH • Phone +49 4231 678-0 • info@block.eu

block.eu



Isolating transformer
RKD 100/2x30

Electrical data

Type	RKD 100/2x30
Input	
Rated input voltage	2 x 115 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	2 x 30 Vac
Power	100 VA
No-load voltage (app. x factor)	1.10
No-load loss (typ.)	0.9 W
Efficiency	88 %
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	4,000 Vac, 50 Hz
Order numbers	
Order Number	**RKD 100/2x30**

Mechanical data

Type	RKD 100/2x30
Terminal and mounting	
Fixing method	Mounting kit, M6 bolt
Terminals	Connecting leads, 200 mm
Measures and weights	
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

Subject to change.