

Safety isolating transformer

RKD 50/2x12



Picture shows RKD 60 2x12

Advantages

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

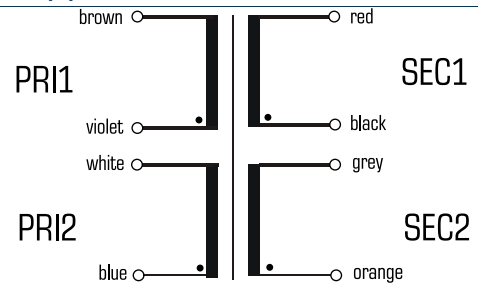
Applications

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

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Type		RKD 50/2x12
Electrical data	Input	
	Rated input voltage	2 x 115 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	2 x 12 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
	Insulation class	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		
Order Number	RKD 50/2x12	

Type		RKD 50/2x12
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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Mechanical data