

Toroidal transformer **RKE 1000/2x50**



Advantages

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

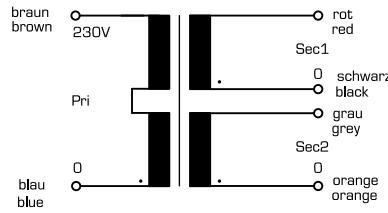
Applications

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.

Circuit Diagram



Parallelschaltung: rot mit grau / schwarz mit orange
Parallel connection: red with grey / black with orange

Reihenschaltung: schwarz mit grau
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



Toroidal transformer **RKE 1000/2x50**

Type	RKE 1000/2x50
Input	
Rated input Voltage	230 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	2 x 50 Vac
Rated Power	1000 VA
No-load voltage (app. x factor)	1.02
No-load loss (typ.)	6.50 W
Efficiency	96 %
Standards	
Classification	Safety isolating transformer
Approvals	
Approvals	cJURus
Environment	
Ambient temperature max.	40 °C
Safety and protection	
Type	open type
Short circuit strength	non-short-circuit proof
Class of Insulation System	VDE=B, UL=class 105
Protection index	IP 00
Safety class (prepared)	II
Test voltage	4000 Vac, 50 Hz
Order numbers	
Order Number	RKE 1000/2x50

Type	RKE 1000/2x50
Terminal and mounting	
Fixing method	Mounting kit, M5 bolt
Terminals	Connecting leads, 200 mm
Measures and weights	
Major diameter Ø	168 mm
Outside diameter in the area of the wire lead	170 mm
Height without mounting	85 mm
Weight	8.30 kg

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Mechanical data

Subject to change.