

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

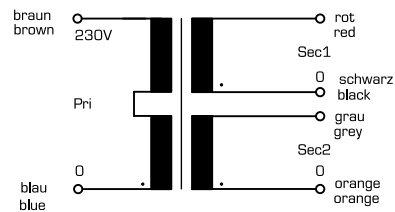
Applications

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
Electrical data	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	cURus	
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
Mechanical data	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