Safety isolating transformer
RTE 160/2x18



Picture shows RTE 100/2x12

Advantages

- Minimum size at high output
- Low weight
- Dual output voltage for series or parallel connection
- Protected against overload by integral temperature fuse
- Minimal no-load losses
- Outstanding temperature behaviour thanks to low magnetic leakage field
- Very low noise field

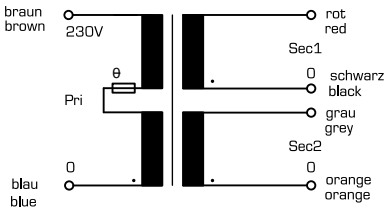
Applications

As a mains transformer for adjustment of the voltage and simple electrical isolation.

As an isolating transformer as specified in EN 61558-2-6 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 as specified in EN 61558-2-6 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



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

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

block.eu



Safety isolating transformer
RTE 160/2x18

Electrical data

Type	RTE 160/2x18
Input	
Rated input voltage	230 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	2 x 18 Vac
Rated Power	160 VA
No-load voltage (app. x factor)	1.08
No-load loss (typ.)	1.10 W
Efficiency	91.0 %
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	**RTE 160/2x18**

Mechanical data

Type	RTE 160/2x18
Terminal and mounting	
Fixing method	Mounting kit, M6 bolt
Terminals	Connecting leads, 200 mm
Measures and weights	
Major diameter Ø	105 mm
Outside diameter in the area of the wire lead Ø	107 mm
Height without mounting	50 mm
Weight	1.70 kg

Subject to change.