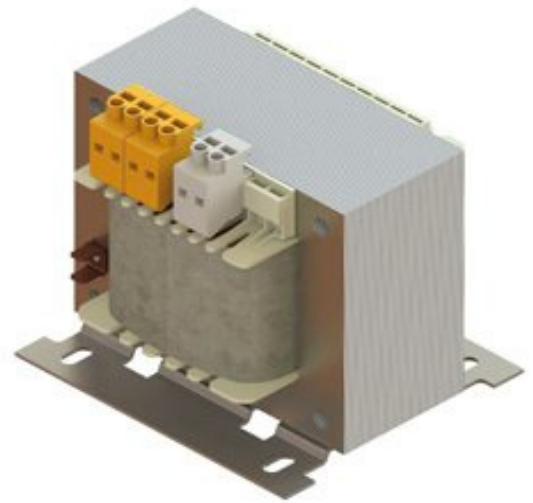


CONTROL ISOLATING TRANSFORMER

Feature and Benefits

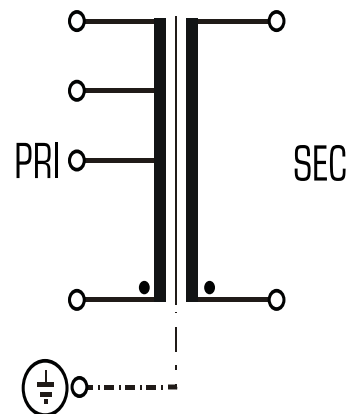
- Very good switch-on behaviour thanks to reduced starting currents
- High power density due to a compact construction design
- Primary side $\pm 5\%$ tapings for voltage adjustment
- Very good corrosion protection and low noise thanks to BLOCK IMPEX
- Contact protected screw connection terminals complying
- Outstanding temperature behaviour thanks to low magnetic leakage field
- Simple mounting thanks to robust metal footplate with oval slots



Technical Details

Type		BCT Power/Input V/Output Voltage
Electrical data	Input	
	Rated input voltage	230 Vac
	Rated frequency	50 - 60 Hz
	Tappings Input	$\pm 5\%$
	Output	
	Rated output voltage	In Table
	Rated Power	In Table
	No-load voltage	app. x factor
	No-load loss	type
	Efficiency	85.0 %
Standards		
Classification	Control Isolating Transformer	
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	BCT Power/input V/Out V	

Sample Electrical Schematic



Typical Application

- As a control transformer for the electrical isolation of the input and output sides. The construction of the transformer is designed to supply control systems according to EN 60204.
- 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.

TECHNICAL SPECIFICATION

Version	Rated input voltage	Rated output voltage	Rated power
BCT 63/11/24	115 Vac	24 Vac	63 VA
BCT 63/23/12	230 Vac	12 Vac	63 VA
BCT 63/23/24	230 Vac	24 Vac	63 VA
BCT 63/23/23	230 Vac	230 Vac	63 VA
BCT 63/4/24	400 Vac	24 Vac	63 VA
BCT 63/4/42	400 Vac	42 Vac	63 VA
BCT 63/4/23	400 Vac	230 Vac	63 VA
BCT 63/44/23	440 Vac	230 Vac	63 VA
BCT 63/69/23	690 Vac	230 Vac	63 VA
BCT 100/23/12	230 Vac	12 Vac	100 VA
BCT 100/23/24	230 Vac	24 Vac	100 VA
BCT 100/23/23	230 Vac	230 Vac	100 VA
BCT 100/4/24	400 Vac	24 Vac	100 VA
BCT 100/4/23	400 Vac	230 Vac	100 VA
BCT 100/69/23	690 Vac	230 Vac	100 VA
BCT 130/23/24	230 Vac	24 Vac	130 VA
BCT 130/23/11	230 Vac	110 Vac	130 VA
BCT 130/4/23	400 Vac	230 Vac	130 VA
BCT 130/69/23	690 Vac	230 Vac	130 VA
BCT 160/23/24	230 Vac	24 Vac	160 VA
BCT 250/4/23	400 Vac	230 Vac	250 VA
BCT 250/4/24	400 Vac	24 Vac	250 VA
BCT 250/44/23	440 Vac	230 Vac	250 VA
BCT 250/69/23	690 Vac	230 Vac	250 VA
BCT 320/23/24	230 Vac	24 Vac	320 VA
BCT 320/23/23	230 Vac	230 Vac	320 VA
BCT 320/4/23	400 Vac	230 Vac	320 VA
BCT 320/69/23	690 Vac	230 Vac	320 VA
BCT 400/23/24	230 Vac	24 Vac	400 VA
BCT 400/23/23	230 Vac	230 Vac	400 VA
BCT 400/4/24	400 Vac	24 Vac	400 VA
BCT 400/4/23	400 Vac	230 Vac	400 VA
BCT 400/69/23	690 Vac	230 Vac	400 VA
BCT 500/11/23	115 Vac	230 Vac	500 VA
BCT 500/23/23	230 Vac	230 Vac	500 VA
BCT 500/23/24	230 Vac	24 Vac	500 VA
BCT 500/23/42	230 Vac	42 Vac	500 VA
BCT 630/4/23	400 Vac	230 Vac	630 VA
BCT 630/69/23	690 Vac	230 Vac	630 VA
BCT 800/11/11	115 Vac	115 Vac	800 VA
BCT 800/23/23	230 Vac	230 Vac	800 VA
BCT 800/4/24	400 Vac	24 Vac	800 VA
BCT 800/4/23	400 Vac	230 Vac	800 VA
BCT 800/44/23	440 Vac	230 Vac	800 VA
BCT 800/69/23	690 Vac	230 Vac	800 VA
BCT 1000/11/23	115 Vac	230 Vac	1,000 VA
BCT 1000/23/23	230 Vac	230 Vac	1,000 VA
BCT 1000/4/23	400 Vac	230 Vac	1,000 VA
BCT 1000/44/23	440 Vac	230 Vac	1,000 VA
BCT 1000/5/23	500 Vac	230 Vac	1,000 VA
BCT 1000/69/23	690 Vac	230 Vac	1,000 VA
BCT 1600/4/23	400 Vac	230 Vac	1,600 VA
BCT 1600/69/23	690 Vac	230 Vac	1,600 VA
BCT 2000/4/23	400 Vac	230 Vac	2,000 VA
BCT 2000/69/23	690 Vac	230 Vac	2,000 VA
BCT 2500/4/23	400 Vac	230 Vac	2,500 VA
BCT 2500/69/23	690 Vac	230 Vac	2,500 VA

MECHANICAL DETAILS

Type

BCT Power/Output Voltage

Terminal and mounting

Fixing method

Mounting kit, M4 bolt

Terminals Input

Screw clamp, 4 mm²

Terminals Output

Screw clamp, 4 mm²

Terminals PE

Tab connector, 6.3 x 0.8 mm

Measures and weights

A	78 mm TO 195 mm
B	60 mm TO 185mm
C	89 mm TO 195MM
D	44 mm TO 184MM
Weight	1.1 Kg TO 25.5Kg

MECHANICAL DESIGN

