



Short circuit proof PCB transformer,  
safety isolating transformer

# DATA SHEET

## VB 0,5/1/9

### Type number

Order number	VB 0,5/1/9
Series	VB
Core size	EE 20/10,5

### Technical data

Tapping	Voltage [V]	Current [A]	Fuse
Input 1	230		
Output 1	9	0.006	

### General

Power	0.5 VA	Duty Cycle	100 %
Phases	1	No-Load Losses	0.8 W
Frequency range	50 up to 60 Hz	Wire material	Copper

### Operating conditions

#### General

Short circuit proof	inherently short-circuit proof	Switching group	li0
Cooling type	AN		

Cited date	18.12.2024
Part number	VB 0,5/1/9
Page	1

BLOCK Transformatoren-Elektronik GmbH  
Max-Planck-Straße 36-46  
27283 Verden, Germany  
Phone: +49 4231 678-0  
www.block.eu

**BLOCK**   
perfecting power

## Environment

Max. installation height	2,000 m	Transport temperature	-20 up to 85 °C
Ambient temperature	-20 up to 70 °C (UL: max. 40 °C)	EN Insulation class	B (130°C)
Storage temperature	-20 up to 85 °C	UL Insulation class	class 105

## Protection & Safety

Protection type	IP 00	Degree of contamination	1
Protection class (prepared)	II	Overvoltage category	III

## Mechanical data

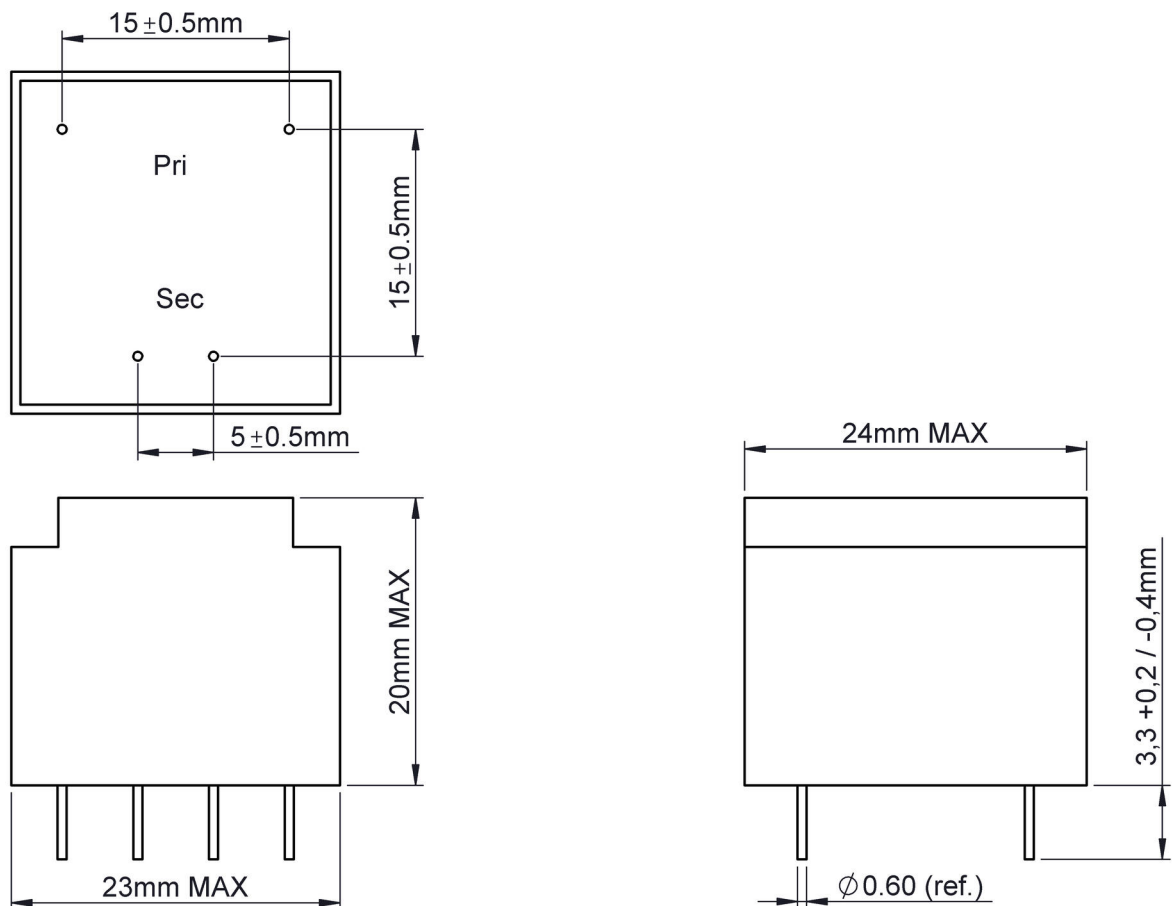
### Electrical Connections

Input terminal	Pin	Output terminal	Pin
----------------	-----	-----------------	-----

### Size & Weight

Width	23 mm	Weight	0.036 kg
Height	20 mm	Core weight	0.023 kg
Depth	24 mm	Copper weight	0.01 kg

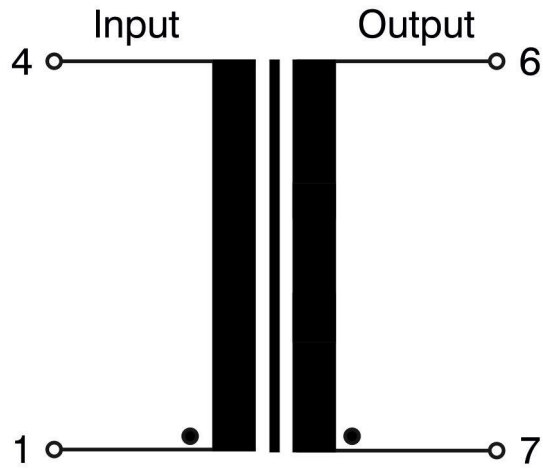
## Dimensions



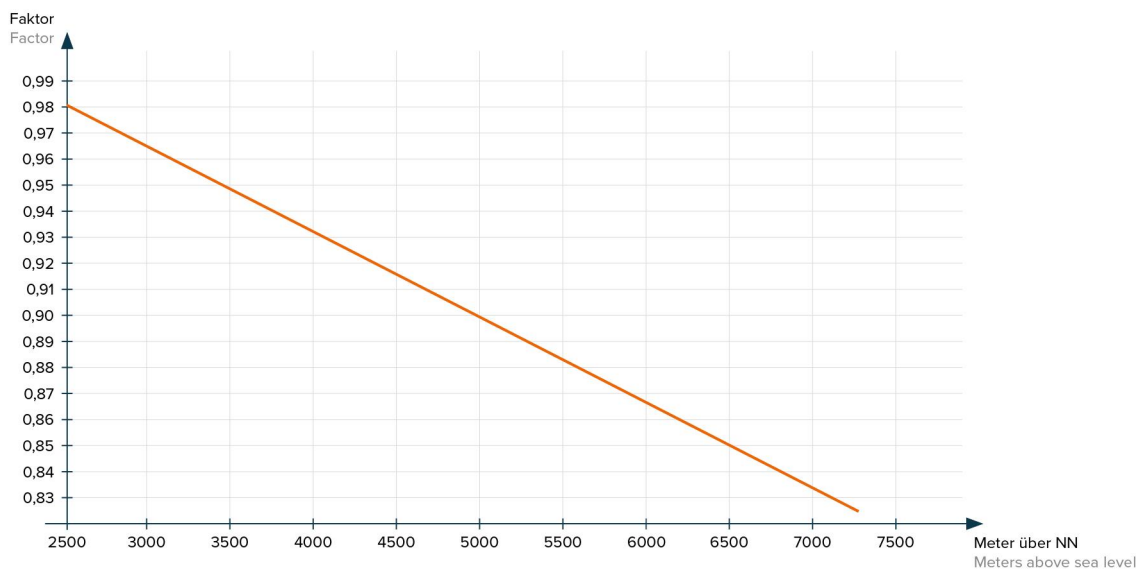
Cited date	18.12.2024
Part number	VB 0,5/1/9
Page	2

BLOCK Transformatoren-Elektronik GmbH  
Max-Planck-Straße 36-46  
27283 Verden, Germany  
Phone: +49 4231 678-0  
www.block.eu

**BLOCK**   
perfecting power



Derating - Installation height



Standards and approvals



RoHS compliant



EN 61558-2-6  
2009



CE compliant



VDE Approval



Approval cULus -  
Recognized  
UL 5085-1/-2;  
CSA 22.2 E103521

Notes

Technical specifications are typical,  
they can vary due to material and production tolerances.

Cited date 18.12.2024

Part number VB 0,5/1/9

Page 3

BLOCK Transformatoren-Elektronik GmbH  
Max-Planck-Straße 36-46  
27283 Verden, Germany  
Phone: +49 4231 678-0  
www.block.eu

