



Short circuit proof PCB transformer,
safety isolating transformer

DATA SHEET

VB 0,5/1/12

Type number

Order number	VB 0,5/1/12
Series	VB
Core size	EE 20/10,5

Technical data

Tapping	Voltage [V]	Current [A]	Fuse
Input 1	230		
Output 1	12	0.01	

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		

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

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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

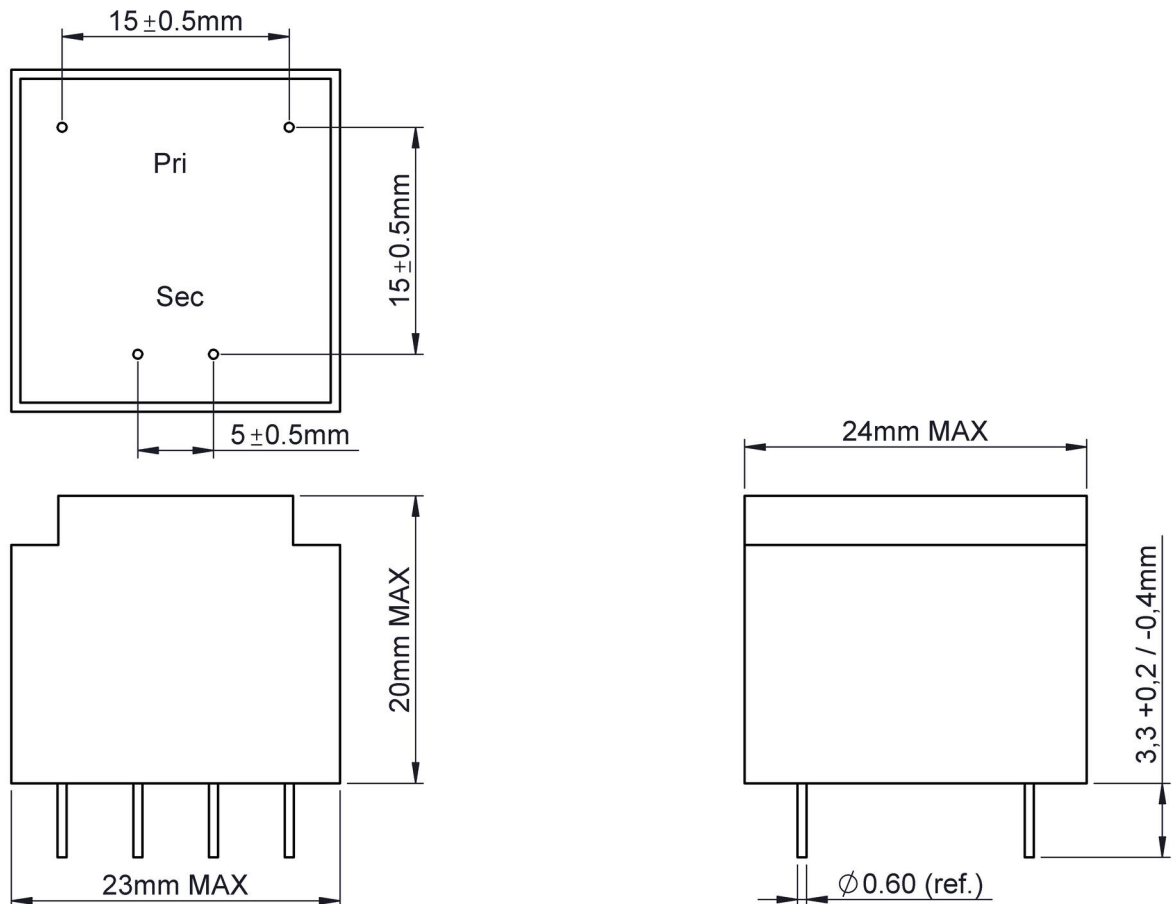
Electrical Connections

Input terminal	Pin	Output terminal	Pin
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Size & Weight

Width	23 mm	Weight	0.035 kg
Height	20 mm	Core weight	0.023 kg
Depth	24 mm	Copper weight	0.01 kg

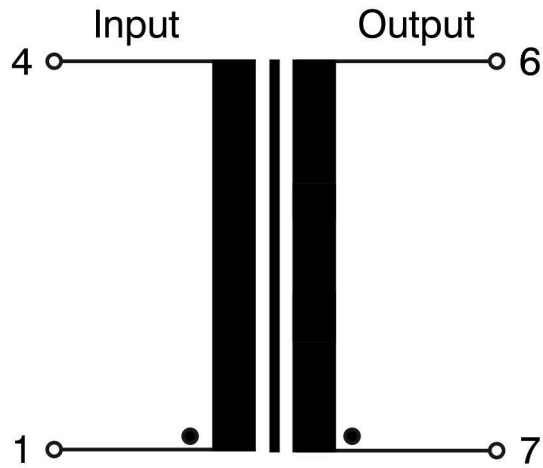
Dimensions



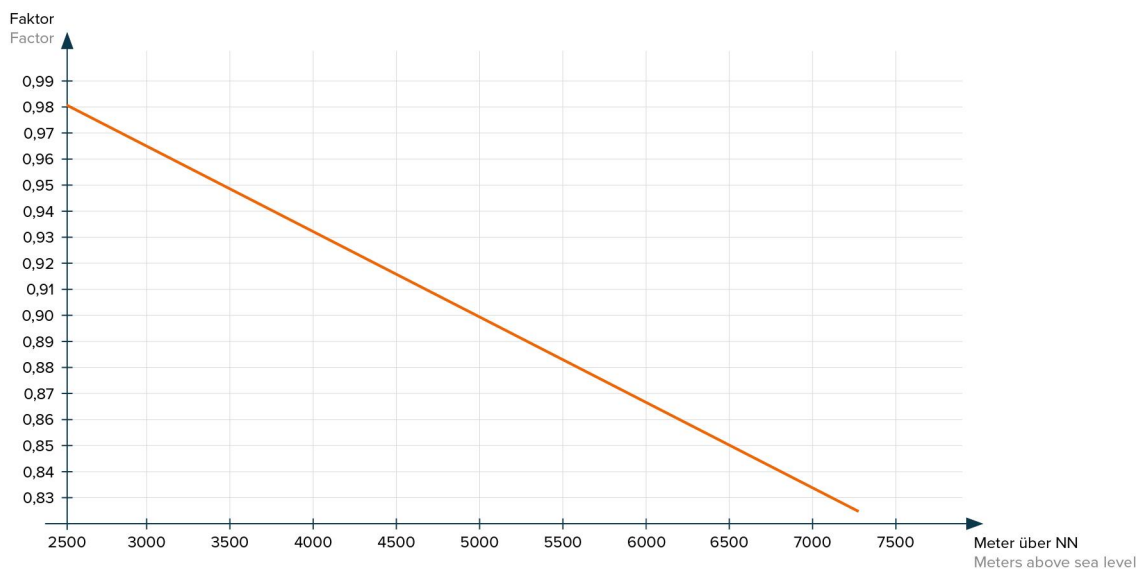
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Derating - Installation height



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.

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