



**Automatización Eléctrica**

Especialistas en Automatización

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# Safety isolating transformer

## VBN 2,3/1/24



Picture shows VBN 2,1/2/6

## Advantages

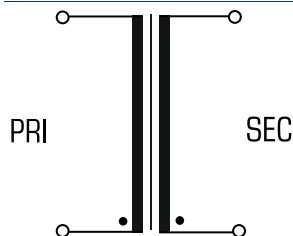
- Minimum size at high output
- Unconditionally short-circuit proof
- Also with double output voltage for series or parallel connection
- Designed for high ambient temperatures
- Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDenseFill resin encapsulation
- Coil shell in 2-chamber technology
- Self-extinguishing potting material

## Applications

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

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.

## Sample application



## 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



ENEC 10 (VDE), UL 5085-1/-2, CSA 22.2 No.66

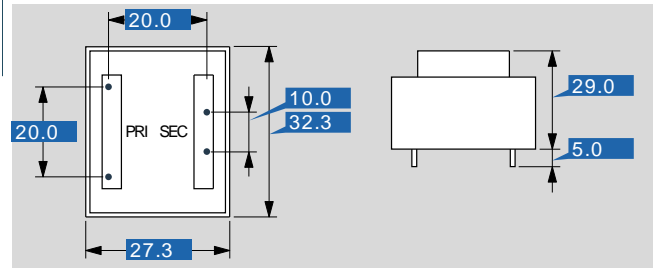


# Safety isolating transformer

## VBN 2,3/1/24

Type		VBN 2,3/1/24
Electrical data	Input	
	Rated input voltage	230 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	24.0 Vac
	Rated Power	2.3 VA
	No-load voltage (app. x factor)	1.60
	No-load loss (typ.)	1.20 W
	Efficiency	52 %
	Standards	
	Classification	Safety isolating transformer
	Approvals	
	Approvals	cURus, ENEC 10 (VDE)
	Environment	
	Ambient temperature max.	70 °C
Safety and protection		
Type	Encapsulated	
Class of Insulation System	B	
Protection index	IP 00	
Safety class (prepared)	II	
Short circuit strength	inherently short-circuit proof	
Order numbers		
<b>Order Number</b>	<b>VBN 2,3/1/24</b>	

Type		VBN 2,3/1/24
Mechanical data	Terminal and mounting	
	Terminals	Pins for printed circuit boards
Mechanical data	Measures and weights	
	Pin (ø)	0.8 mm
	Core type	EI 30/18,0
	Weight	0.11 kg



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Product	Code	Reference	Product link
Short circuit proof PCB transformer Short circuit proof safety isolating transformer to IEC 61558-2-6, DIN EN 61558-2-6, VDE 0570 part 2-6, C-UL-US and ENEC 10 (VDE) Approval max. 70°C ambient temperature (VB 3,2 = 50°C) *Transformer to IEC 61558-2-1, DIN EN 61558-2-1, VDE 0570 part 2-1 (without VDE-Approval) the dimension for the height includes the length of pins (5mm)	VBN23124	VBN 2,3/1/24	