



**Automatización Eléctrica**

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# Safety isolating transformer

## VBN 3,0/2/12



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

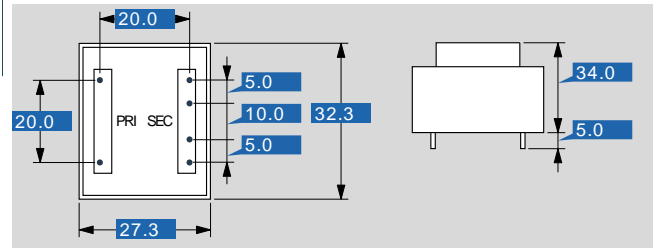


# Safety isolating transformer

## VBN 3,0/2/12

Electrical data		Type	VBN 3,0/2/12
<b>Input</b>			
Rated input voltage			230 Vac
Rated frequency			50 - 60 Hz
<b>Output</b>			
Rated output voltage			12.0 Vac
Rated Power			3.0 VA
No-load voltage (app. x factor)			1.50
No-load loss (typ.)			1.90 W
Efficiency			52 %
<b>Standards</b>			
Classification			Safety isolating transformer
<b>Approvals</b>			
Approvals			cURus, ENEC 10 (VDE)
<b>Environment</b>			
Ambient temperature max.			60 °C
<b>Safety and protection</b>			
Type			Encapsulated
Class of Insulation System			B
Protection index			IP 00
Safety class (prepared)			II
Short circuit strength			inherently short-circuit proof
<b>Order numbers</b>			
<b>Order Number</b>			<b>VBN 3,0/2/12</b>

Mechanical data		Type	VBN 3,0/2/12
<b>Terminal and mounting</b>			
Terminals			Pins for printed circuit boards
<b>Measures and weights</b>			
Pin (ø)			0.8 mm
Core type			EI 30/23
Weight			0.14 kg



Subjects to change.

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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)	VBN30212	VBN 3,0/2/12	<a href="#">Buy on EAN</a>