



Automatización Eléctrica

Especialistas en Automatización

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Safety isolating transformer

VBN 0,7/2/12



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



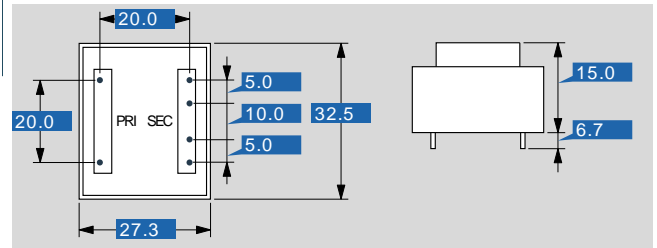
Safety isolating transformer

VBN 0,7/2/12

Type		VBN 0,7/2/12
Electrical data	Input	
	Rated input voltage	230 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	12.0 Vac
	Rated Power	0.7 VA
	No-load voltage (app. x factor)	1.60
	No-load loss (typ.)	2.20 W
	Efficiency	33 %
	Standards	
	Classification	Safety isolating transformer
	Approvals	
	Approvals	cURus, ENEC 10 (VDE)
	Environment	
	Ambient temperature max.	60 °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		
Order Number	VBN 0,7/2/12	

Type		VBN 0,7/2/12
Terminal and mounting		
Terminals		Pins for printed circuit boards
Measures and weights		
Pin (ø)		0.8 mm
Core type		EI 30/5,5
Weight		0.04 kg

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Mechanical data



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)	VBN07212	VBN 0,7/2/12	