

Safety isolating transformer

VB 3,2/1/12



Picture shows VB 2,0/2/6

Advantages

Minimum size at high output
Inherently short-circuit proof
Dual output voltage for series or parallel connection
Designed for high ambient temperatures
Permanent corrosion protection, high insulation value and maximum electrical reliability due to XtraDenseFill resin encapsulation
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



VDE, UL 5085-1/-2, CSA 22.2 No.66



Safety isolating transformer

VB 3,2/1/12

Type		VB 3,2/1/12
Electrical data	Input	
	Rated input voltage	230 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	12 Vac
	Power	3.2 VA
	No-load voltage (app. x factor)	1.70
	No-load loss (typ.)	0.8 W
	Efficiency	53 %
	Standards	
	Classification	Safety isolating transformer
	Approvals	
	Approvals	cURus, VDE
	Environment	
	Ambient temperature max.	122.0 °F
Safety and protection		
Type	Encapsulated	
Insulation class	VDE=B, UL=class 105	
Protection index	IP 00	
Safety class (prepared)	II	
Short circuit strength	inherently short-circuit proof	
Order numbers		
Order Number	VB 3,2/1/12	

Type		VB 3,2/1/12
Mechanical data	Terminal and mounting	
	Terminals	Pins for printed circuit boards
	Measures and weights	
	Pin (ø)	0.031 inch
	Core type	EI 38/16,5
	Weight	0.37 lbs

