

Safety isolating transformer VB 0,5/1/12



Picture shows VB 2,0/2/6

Advantages

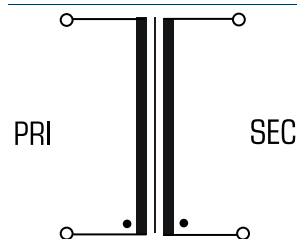
Minimum size at high output
Inherently short-circuit proof
Also with dual output voltage for series or parallel connection
Designed for high ambient temperatures
Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDenseFill resin encapsulation
Self-extinguishing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

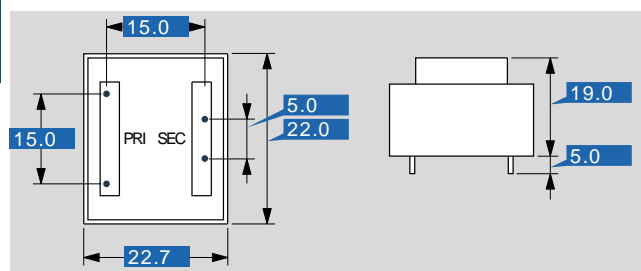
VB 0,5/1/12

Electrical data

Type	VB 0,5/1/12
Input	
Rated input voltage	230 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	12 Vac
Rated Power	0.5 VA
No-load voltage (app. x factor)	1.80
No-load loss (typ.)	1.10 W
Efficiency	40.0 %
Standards	
Classification	Safety isolating transformer
Approvals	
Approvals	cURus, VDE
Environment	
Ambient temperature max.	70 °C
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 0,5/1/12

Mechanical data

Type	VB 0,5/1/12
Terminal and mounting	
Terminals	Pins for printed circuit boards
Measures and weights	
Pin (ø)	0.6 mm
Core type	EE 20/10,5
Weight	0.04 kg



Subject to change.