

# Short circuit proof PCB transformer

## AVB 0,5/2/18



## Advantages

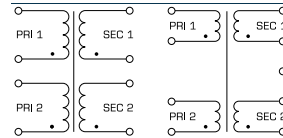
Minimum size at high output
Unconditionally short-circuit proof
Double input voltage for series or parallel connection
Also with double output voltage for series or parallel connection
Designed for high ambient temperatures
Permanent corrosion protection, high insulation value and maximum electrical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

## Applications

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

As a safety 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.

## Circuit Diagram



## Standards



Mains transformer  
to: VDE 0570 Teil 2-1, DIN EN 61558-2-1, EN 61558-2-1, IEC 61558-2-1, UL 5085-1/-2, CSA 22.2 No.66

## Approvals



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

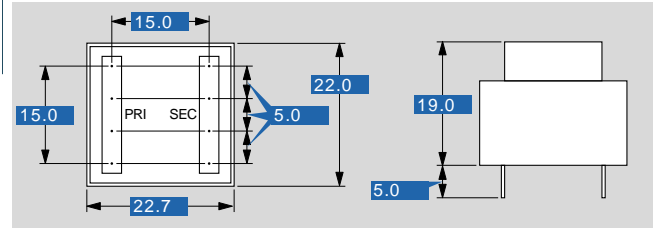


## Short circuit proof PCB transformer AVB 0,5/2/18

Type		AVB 0,5/2/18
Electrical data	Input	
	Rated input Voltage	2 x 115 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	2 x 18 Vac
	Rated Power	0.50 VA
	No-load voltage (app. x factor)	1.80
	No-load loss (typ.)	1.10 W
	Efficiency	40 %
	Standards	
	Classification	Mains transformer
	Approvals	
	Approvals	cURus
	Environment	
	Ambient temperature max.	70 °C
	Safety and protection	
	Type	encapsulated
Class of Insulation System	VDE=B, UL=class 105	
Protection index	IP 00	
Safety class (prepared)	II	
Short circuit strength	inherently short-circuit proof	
Order numbers		
<b>Order Number</b>	<b>AVB 0,5/2/18</b>	

Type		AVB 0,5/2/18
Terminal and mounting	Terminals	Pins for printed circuit boards
	Pin (ø)	0.6
Measures and weights	Core type	EE 20/10,5
	Weight	0.04 kg

30  
Mechanical data



Subjects to change.