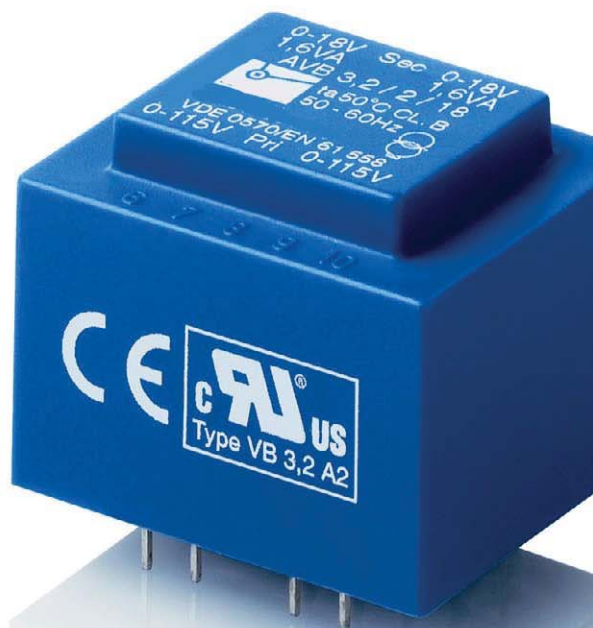


Short-circuit proof PCB transformer

AVB



General Data

Rated input voltage 2 x 115 Vac
Rated output voltage 6 - 2 x 24 Vac
Rated power 0.35 - 3.2 VA
Insulation class B
Maximum ambient temperature 70 °C (AVB 3,2 max. 50 °C)
Efficiency up to 59 %
Degree of protection IP 00

Advantages

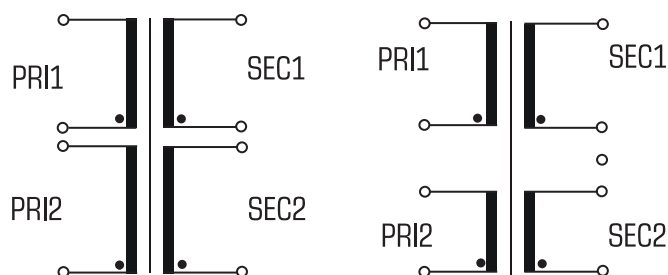
Minimum size at high output
Inherently short-circuit proof
Dual input voltage for series or parallel connection
Also with dual output voltage for series or parallel connection
Designed for high ambient temperatures
Permanent corrosion protection, high insulation value and maximum electrical reliability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

Sample application



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

Safety isolating transformer
to: VDE 0570 Teil 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



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



Short-circuit proof PCB transformer

[illegible]

1 Transformers

PCB transformers



Short-circuit proof PCB transformer

AVB

Electrical data	Typ	AVB 2,3/2/..	AVB 3,2/2/..			
	Input					
	Rated input voltage	2 x 115 Vac	2 x 115 Vac			
	Rated frequency	50 - 60 Hz	50 - 60 Hz			
	Output					
	Rated output voltage: Order no.	2x8 Vac: AVB 2,3/2/8	2x6 Vac: AVB 3,2/2/6 2x9 Vac: AVB 3,2/2/9 2x12 Vac: AVB 3,2/2/12 2x15 Vac: AVB 3,2/2/15 2x18 Vac: AVB 3,2/2/18 2x24 Vac: AVB 3,2/2/24*			
	Rated Power	2,3 VA	3,2 VA			
	No-load voltage (app. x factor)	1.43	1.57			
	No-load loss (typ.)	0.90 W	1.00 W			
	Efficiency	59.0 %	58.0 %			
Standards						
	Classification	Safety isolating transformer	Safety isolating transformer *Mains transformer			
Approvals						
	Approvals	cURus	cURus			
Environment						
	Ambient temperature max.	70 °C	50 °C			
Safety and protection						
	Type	Encapsulated	Encapsulated			
	Insulation class	VDE=B, UL=class 105	VDE=B, UL=class 105			
	Protection index	IP 00	IP 00			
	Safety class (prepared)	II	II			
	Short circuit strength	inherently short-circuit proof	inherently short-circuit proof			
Order numbers						
	Order Number	see rated output voltage	see rated output voltage			



Short-circuit proof PCB transformer

AVB

Mechanical data	Typ	Terminals	Pin (ø)	Core type	Weight	Dimension picture (in mm)								
							A	B	C	D	E	F	G	H
	AVB 0,35/2/..	Pins for printed circuit boards	0.6	EE 20/6,1	0.02 kg	1	22	22.7	15	15	15	5	-	5
	AVB 0,5/2/..	Pins for printed circuit boards	0.6	EE 20/10,5	0.04 kg	1	22	22.7	19	15	15	5	-	5
	AVB 1,0/2/..	Pins for printed circuit boards	0.8	EI 30/10,5	0.07 kg	2	32.3	27.3	21.8	20	20	10	5	5
	AVB 1,5/2/..	Pins for printed circuit boards	0.8	EI 30/12,5	0.08 kg	2	32.3	27.3	23.8	20	20	10	5	5
	AVB 2,0/2/..	Pins for printed circuit boards	0.8	EI 30/15,5	0.10 kg	2	32.3	27.3	26.8	20	20	10	5	5
	AVB 2,3/2/..	Pins for printed circuit boards	0.8	EI 30/18	0.10 kg	2	32.3	27.3	29	20	20	10	5	5
	AVB 2,3/2/..	Pins for printed circuit boards	0.8	EI 30/18	0.11 kg	2	32.3	27.3	39	20	20	10	5	5
	AVB 3,2/2/..	Quick connect terminals	0.6 x 0.8	EI 38/16,5	0.17 kg	2	41	35	30.8	20	25	10	5	5

Dimension pictures

