

Short-circuit proof PCB transformer VB



General Data

Rated input voltage 230 Vac
Rated output voltage 6 - 2 x 24 Vac
Rated power 0.35 - 3.2 VA
Insulation class B
Maximum ambient temperature 70 °C (VB 3,2 max. 50 °C)
Efficiency up to 58 %
Degree of protection IP 00

Advantages

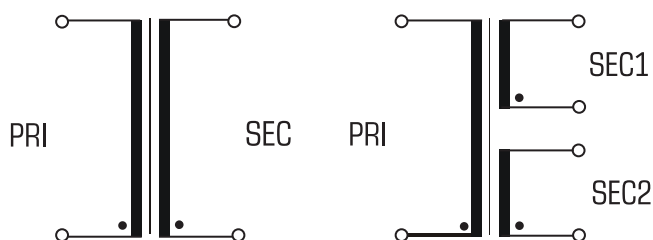
Minimum size at high output
Inherently short-circuit proof
Also with dual output voltage for series or parallel connection
Designed for high ambient temperatures
Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDenseFill resin encapsulation
Self-extinguishing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



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



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



Short-circuit proof PCB transformer

[illegible]



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[illegible]



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[illegible]



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Mechanical data	Typ	Terminals	Pin (a)	Core type	Weight	Dimension picture (in mm)	A	B	C	D	E	F	G	H
	VB 0,35/1/..	Pins for printed circuit boards	0.6 mm	EE 20/6,1	0.02 kg	1	22	22.7	15	15	15	5	-	5
	VB 0,35/2/..	Pins for printed circuit boards	0.6 mm	EE 20/6,1	0.02 kg	2	22	22.7	15	15	15	5	5	5
	VB 0,5/1/..	Pins for printed circuit boards	0.6 mm	EE 20/10,5	0.04 kg	1	22	22.7	19	15	15	5	-	5
	VB 0,5/2/..	Pins for printed circuit boards	0.6 mm	EE 20/10,5	0.04 kg	2	22	22.7	19	15	15	5	5	5
	VB 1,0/1/..	Pins for printed circuit boards	0.8 mm	EI 30/10,5	0.07 kg	1	32.3	27.3	21.8	20	20	10	-	5
	VB 1,0/2/..	Pins for printed circuit boards	0.8 mm	EI 30/10,5	0.07 kg	2	32.3	27.3	21.8	20	20	10	5	5
	VB 1,2/1/..	Pins for printed circuit boards	0.8 mm	EI 30/12,5	0.08 kg	1	32.3	27.3	23.8	20	20	10	-	5
	VB 1,2/2/..	Pins for printed circuit boards	0.8 mm	EI 30/12,5	0.08 kg	2	32.3	27.3	23.8	20	20	10	5	5
	VB 1,5/1/..	Pins for printed circuit boards	0.8 mm	EI 30/12,5	0.08 kg	1	32.3	27.3	23.8	20	20	10	-	5
	VB 1,5/2/..	Pins for printed circuit boards	0.8 mm	EI 30/12,5	0.08 kg	2	32.3	27.3	23.8	20	20	10	5	5
	VB 2,0/1/..	Pins for printed circuit boards	0.8 mm	EI 30/15,5	0.10 kg	1	32.3	27.3	26.8	20	20	10	-	5
	VB 2,0/2/..	Pins for printed circuit boards	0.8 mm	EI 30/15,5	0.10 kg	2	32.3	27.3	26.8	20	20	10	5	5
	VB 2,3/1/..	Pins for printed circuit boards	0.8 mm	EI 30/18,0	0.11 kg	1	32.3	27.3	29	20	20	10	-	5
	VB 2,3/2/..	Pins for printed circuit boards	0.8 mm	EI 30/18,0	0.11 kg	2	32.3	27.3	29	20	20	10	5	5
	VB 2,8/1/..	Pins for printed circuit boards	0.8 mm	EI 30/23,0	0.14 kg	1	32.3	27.3	34	20	20	10	-	5
	VB 2,8/2/..	Pins for printed circuit boards	0.8 mm	EI 30/23,0	0.14 kg	2	32.3	27.3	34	20	20	10	5	5
	VB 3,2/1/..	Pins for printed circuit boards	0.8 mm	EI 38/16,5	0.17 kg	1	41	35	30.8	20	25	10	-	5
	VB 3,2/2/..	Pins for printed circuit boards	0.8 mm	EI 38/16,5	0.17 kg	2	41	35	30.8	20	25	10	5	5

Dimension pictures

