

Efficient PCB transformer **ECO2003-1,5S12**



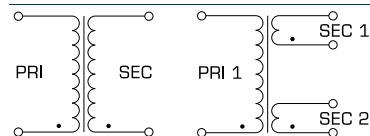
Advantages

Low no-load losses max. 0.6 W
Unconditionally short-circuit proof (up to 1.5 VA)
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 material

Applications

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



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



ENEC 10 (VDE), UL 5085-1/-2, CSA 22.2 No.66



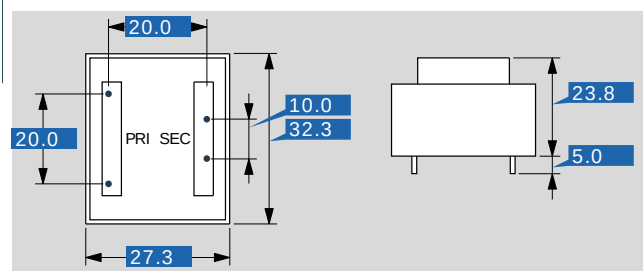
Efficient PCB transformer ECO2003-1,5S12

Electrical data

Type	ECO2003-1,5S12
Input	
Rated input voltage	230 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	12 Vac
Rated output voltage	12 Vac
Rated Power	1.5 VA
No-load voltage (app. x factor)	1.39
No-load loss (typ.)	0.60 W
Efficiency	61 %
Standards	
Classification	Safety isolating transformer
Approvals	
Approvals	cURus, ENEC 10 (VDE)
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	
Order Number	ECO2003-1,5S12

Mechanical data

Type	ECO2003-1,5S12
Terminal and mounting	
Terminals	Pins for printed circuit board
Measures and weights	
Pin (ø)	0.8 mm
Core type	EI 30/12,5
Weight	0.08 kg



Subjects to change.