

Efficient PCB transformer **ECO2003-5,0DD12**



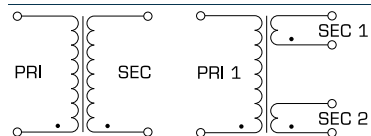
Advantages

- 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 ECO2003-5,0DD12

Type		ECO2003-5,0DD12
Electrical data	Input	
	Rated input voltage	230 Vac
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	12 Vac
	Rated output voltage	2 x 12 Vac
	Rated Power	5,0 VA
	No-load voltage (app. x factor)	1,25
	No-load loss (typ.)	0,60 W
	Efficiency	74 %
	Standards	
	Classification	Safety isolating transformer
	Approvals	
	Approvals	cURus, ENEC 10 (VDE)
	Environment	
Ambient temperature max.	50 °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	non-short-circuit proof	
Order numbers		
Order Number	ECO2003-5,0DD12	

Type		ECO2003-5,0DD12
Mechanical data	Terminal and mounting	
	Terminals	Pins for printed circuit board
Mechanical data	Measures and weights	
	Pin (ø)	0,8 mm
	Core type	EI 42/14,8
	Weight	0,20 kg

