

Efficient PCB transformer **ECO2003-1,5DD12**



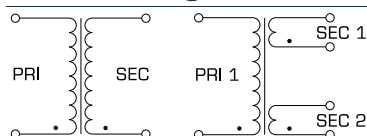
Advantages

- 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 ECO2003-1,5DD12

| Type | | ECO2003-1,5DD12 |
|----------------------------|---------------------------------|------------------------------|
| 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 | 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 | ECO2003-1,5DD12 | |

| Type | | ECO2003-1,5DD12 |
|-----------------|-----------------------|--------------------------------|
| Mechanical data | Terminal and mounting | |
| | Terminals | Pins for printed circuit board |
| 30 | Measures and weights | |
| | Pin (ø) | 0.8 mm |
| | Core type | EI 30/12,5 |
| | Weight | 0.08 kg |

