

## Safety isolating transformer

### ECO2003-5,0S12 Discontinued line - not for new designs



Picture shows ECO2003-5,0-DD9

## 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 XtraDenseFill resin encapsulation

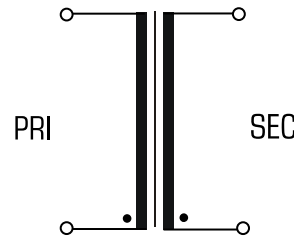
Coil shell in 2-chamber technology

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.

## Sample application



## 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

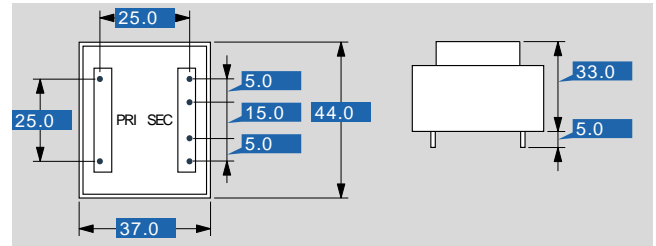


# Safety isolating transformer

## ECO2003-5,0S12 Discontinued line - not for new designs

| Electrical data                 |   |
|---------------------------------|---|
| Type                            | ECO2003-5,0S12<br>Discontinued line - not for new designs     |
| Input                           |   |
| Rated input voltage             | 230 Vac   |
| Rated frequency                 | 50 - 60 Hz  |
| Output                          |   |
| Rated Power                     | 5,0 VA  |
| No-load voltage (app. x factor) | 1,25  |
| No-load loss (typ.)             | 0,60 W  |
| Efficiency                      | 74,0 %  |
| Standards                       |   |
| Classification                  | Safety isolating transformer                                  |
| Approvals                       |   |
| Approvals                       | cURus, ENEC 10 (VDE)  |
| Environment                     |   |
| Ambient temperature max.        | 50 °C   |
| Safety and protection           |   |
| Type                            | Encapsulated  |
| Insulation class                | VDE=B, UL=class 105   |
| Protection index                | IP 00   |
| Safety class (prepared)         | II  |
| Short circuit strength          | non-short-circuit proof                                       |
| Order numbers                   |   |
| Order Number                    | <b>ECO2003-5,0S12 Discontinued line - not for new designs</b> |

| Mechanical data       |   |
|-----------------------|---|
| Type                  | ECO2003-5,0S12<br>Discontinued line - not for new designs |
| Terminal and mounting |   |
| Terminals             | Pins for printed circuit board                            |
| Measures and weights  |   |
| Pin (ø)               | 0,8 mm  |
| Core type             | EI 42/14,8  |
| Weight                | 0,20 kg   |



Subject to change.