

# Elma TT

## Logistik GmbH

Constructional data for isolating transformers and safety transformers:

1.1 Applicant : ELMA TT d.d. Ljubljana  
1.3 Reference of type : PV/1-21718  
1.4 Trade mark : CONRAD  
1.5 Other markings : IZ 60 - Conrad Art. Nr. 516007  
1.6 Europe standard : EN 61558 - 2 - 6

2.1 Protection against electric shock : Non short.circuit proof  
2.2 Class of protection to IEC 529 : IP 00  
2.3 Type of construction (Isolating transformer, Transformer for toys) : Safety-isolating transformer  
2.4 Stationary Transformer : Stationary, to built-in transformer  
Portable Transformer :  
2.5 Protection against short-circuit according to Sub-clause  
inherently short-circuit proof :  
non-inherently short-circuit proof :  
non short-circuit proof : Non short-circuit proof  
fail safe  
(rated current of the cutout)  
2.6 Rated maximum ambient temperature :  $t_a$  40 °C  
2.7 Class : B Insulation : IEC 60 085 and IEC 60 216

### 3. Electrical values

|                      |      | prim : | sec:    |
|----------------------|------|--------|---------|
| 3.1 Rated voltage(s) | V :  | 230    | 2 x 12  |
| 3.2 Rated frequency  | Hz : | 50     |         |
| 3.3 Rated current    | A :  | 0,196  | 2 x 1,5 |
| 3.4 Rated output     | VA : |        | 36      |

### 4. Windings

4.1 Coil base, number : 1  
material : Duretan AKV 30 H – PA 6.6  
4.2 Material of layer insulation : Film poliester 0.13 , classe B-130 - Teflex  
4.3 Windings, number : 1426 87 + 87

|                                     |            |                        |                        |
|-------------------------------------|------------|------------------------|------------------------|
|                                     | material : | Enoflex G1 – S180      | Enoflex G1 – S180      |
| 4.4 Diameter of wire (mm) :         |            | 0,2                    | 0,6                    |
| 4.5 Windings insulation, material : |            | polyurethane polyamide | polyurethane polyamide |

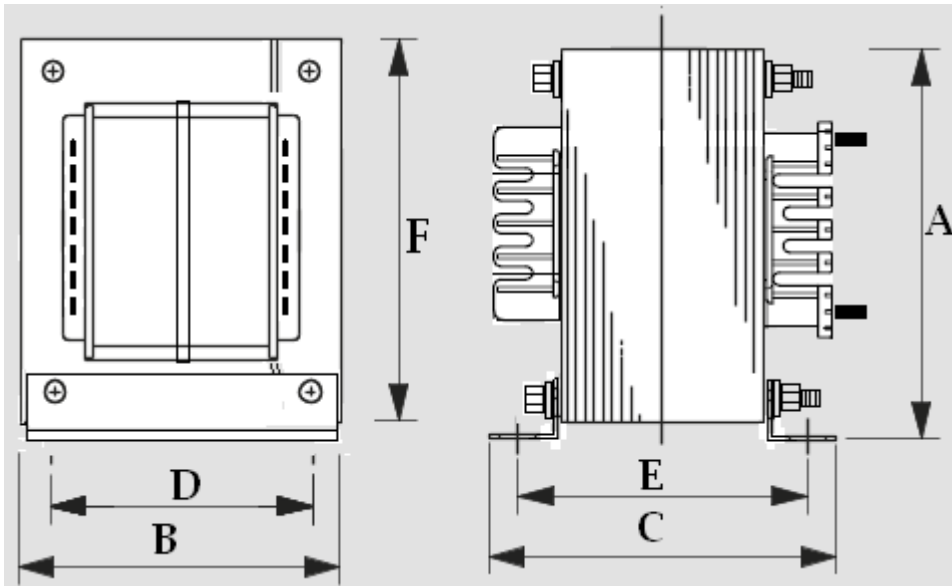
## 5. Iron core

5.1 Sheet metall, material : EI 60 V 530 – 50  
 main dimensions : 60x50x30

5.2 Cross-sectional drawing : See specification of insulation materials

## 6. Type of construction

6.1 Open – Covered – In case protection : Open  
 6.2 Impregnated – Undrowned – Drowned : Impregnated  
 6.3 Soaking (liquor) :  
 6.4 Underpressure – Overpressure – Soaking at : Soaking  
 6.5 Drown material : 1K – Deatech Nr. 822.125



| A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) | Weight (kg) |
|-------|-------|-------|-------|-------|-------|-------------|
| 64,5  | 50    | 57    | 44    | 46    | 60    | 0,742       |

## 7. Label

**516 007**

**36VA / 1,5A**



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**2 - 6= 230V**

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**11 - 9= 12V**

**11 - 13= 12V**

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13.01.2010