

# Elma TT

## Logistik GmbH

Constructional data for isolating transformers and safety transformers:

1.3 Reference of type : ZT/1-21459  
1.4 Trade mark : CONRAD  
1.5 Other markings : IZ 58 - Conrad Art. Nr. 514810  
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    | 115 / 115   |
| 3.2 Rated frequency  | Hz : | 50     |             |
| 3.3 Rated current    | A :  | 0,163  | 0,13 / 0,13 |
| 3.4 Rated output     | VA : |        | 30          |

### 4. Windings

|                                    |            |  |                   |
|------------------------------------|------------|--|-------------------|
| 4.1 Coil base,                     | number :   | 1  |                   |
|                                    | material : | Duretan AKV 30 H – PA 6.6                    |                   |
| 4.2 Material of layer insulation : |            | Film poliestere 0.13 , classe B-130 - Teflex |                   |
| 4.3 Windings,                      | number :   | 1610   | 1015 / 1015       |
|                                    | material : | Enoflex G1 – S180                            | Enoflex G1 – S180 |

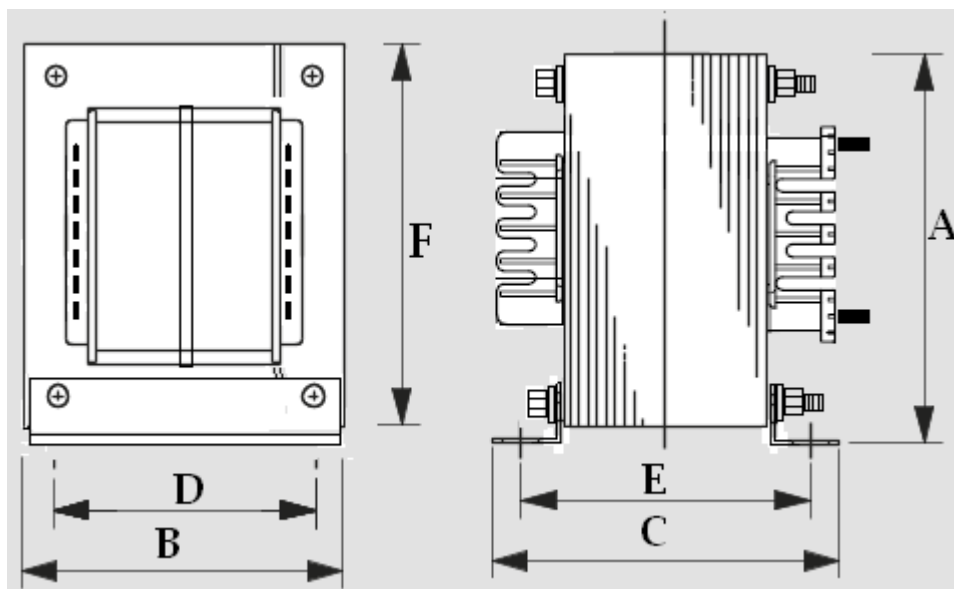
4.4 Diameter of wire (mm) : 0,18 0,18 / 0,18  
 4.5 Windings insulation, material : polyurethane polyamide polyurethane polyamide

## 5. Iron core

5.1 Sheet metall, material : EI 60 V 530 – 50  
 main dimensions : 60x50x25  
 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    | 52    | 44    | 41    | 60    | 0,63        |

## 7. Label

**514 810**

**30VA / 0,13A**



---

**3 - 7 = 230V**

---

**9 - 11 = 115V**

**12-14 = 115V**

ELMA TT

13.01.2010