

Elma TT

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Constructional data for isolating transformers and safety transformers:

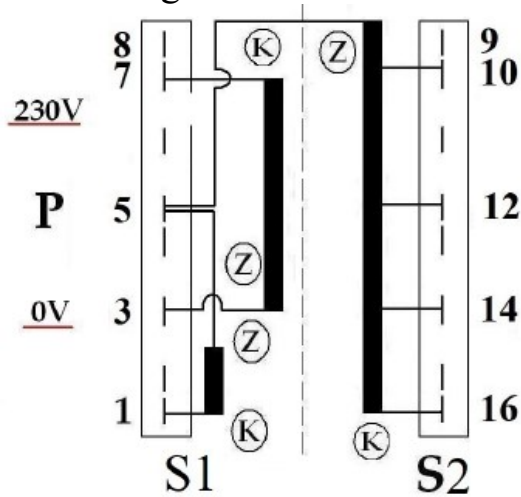
- 1.1 Applicant : ELMA TT d.d. Ljubljana
- 1.2 Place of manufacture : Cesta 24. junija 23, SLO 1213 Ljubljana – Črnuče
- 1.3 Reference of type : Conrad Art. Nr. 514390
- 1.4 Trade mark : CONRAD
- 1.5 Other markings : IZ 73
- 1.6 Europe standard : EN 61558 - 2 - 6

- 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 | 2-4-6-8-10-12-14-16-18-20-22-24 |
| 3.2 Rated frequency | Hz : | 50 | |
| 3.3 Rated current | A : | 0,78 | 10,0 |
| 3.4 Rated output | VA : | | 180 |
| 3.5 No load voltage(s) | V : | | |
| 3.6 P_o | W : | | |
| 3.7 I_o | A : | | |

4. Windings



5. Iron core

5.1 Sheet metall, material : EI 96 V 530 – 50

main dimensions : 96x80x45

5.2 Cross-sectional drawing : See specification of insulation materials

6. Type of construction

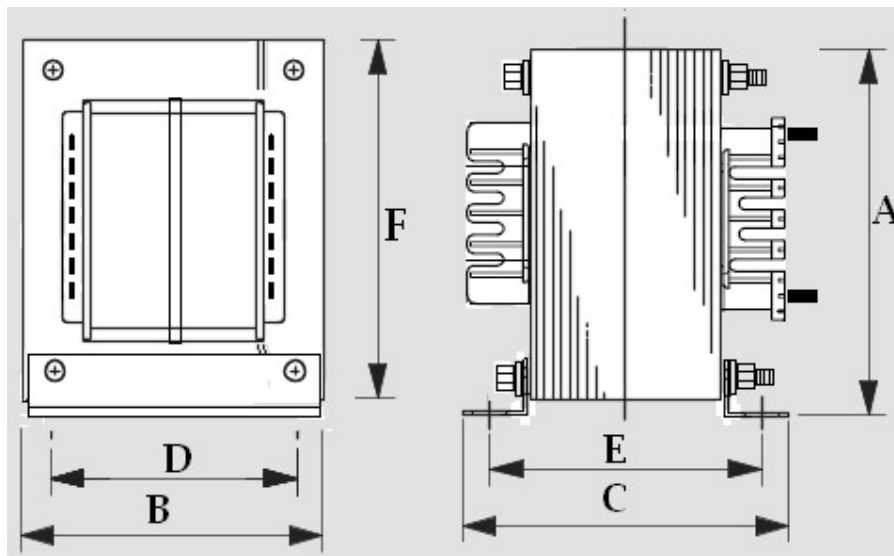
6.1 Open – Covered – In case protection : Open

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) |
|-------|-------|-------|-------|-------|-------|-------------|
| 102 | 80 | 85 | 63 | 69 | 96 | 3,0 |

7. Label

| | | |
|---------------------|---|-----------|
| 514 390 |  | |
| 180VA /10A | | |
| <hr/> | | |
| 3 - 7 = 230V | | |
| <hr/> | | |
| 5-10= 2V | 1-16=10V | 10-14=18V |
| 14-16= 4V | 1-10=12V | 5-14=20V |
| 10-12= 6V | 1-5=14V | 10-16=22V |
| 5-12= 8V | 12-16=16V | 5-16=24V |

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12.10.2011