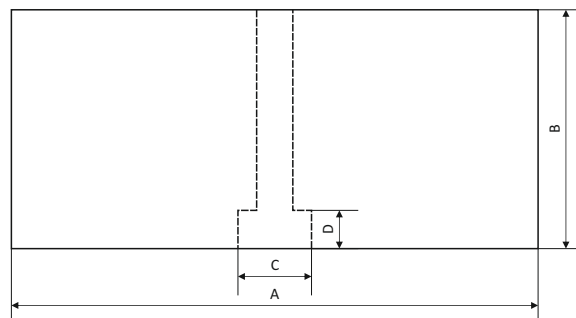
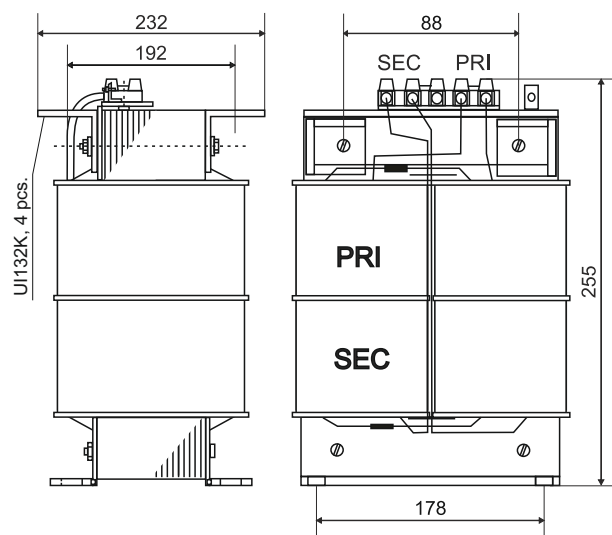




Rated power: **0,15 - 5,0kVA**  
 Rated voltage PRI: **230V 50/60Hz; 400V 50/60Hz**  
 Rated voltage SEC: **24; 230V**

Single-phase toroidal transformers designed for power supply of railway turnouts heating systems. Cast resin enables the usage in humid environment, prevents the transformer from mechanical damages and harsh weather conditions. Transformers are made with Class II insulation and protection rating IP00. Maximum ambient temperature 40°C. Thermal insulation class B (130°C). Manufactured in compliance with EN61558-1, EN61558-2-4 or EN61558-2-6.

| Type            | Power | PRI/SEC      | Dimensions [mm] |     |    |    | Mounting | Weight [kg] |
|-----------------|-------|--------------|-----------------|-----|----|----|----------|-------------|
|                 | [kVA] | [V]          | A               | B   | C  | D  |          |             |
| <b>TTZ 150</b>  | 0,15  | 230/24V      | 103             | 52  | 10 | 6  | M6       | 1,70        |
| <b>TTZ 150</b>  | 0,15  | 400/24V      | 103             | 52  | 10 | 6  | M6       | 1,70        |
| <b>TTZ 200</b>  | 0,20  | 230/24V      | 114             | 53  | 10 | 6  | M6       | 2,00        |
| <b>TTZ 500</b>  | 0,50  | 230/230V     | 148             | 67  | 12 | 8  | M8       | 4,40        |
| <b>TTZ 2500</b> | 2,50  | 230/230V     | 220             | 105 | 26 | 12 | M10      | 17,5        |
| <b>TTZ 2500</b> | 2,50  | 400/230-230V | 220             | 105 | 26 | 12 | M10      | 17,5        |
| <b>TTZ 3000</b> | 3,00  | 400/230-230V | 255             | 105 | 26 | 12 | M10      | 22,0        |
| <b>TTZ 4000</b> | 4,00  | 230/230V     | 270             | 110 | 26 | 12 | M10      | 26,6        |
| <b>TTZ 4000</b> | 4,00  | 400/230-230V | 270             | 110 | 26 | 12 | M10      | 26,6        |
| <b>TTZ 5000</b> | 5,00  | 400/230-230V | 300             | 115 | 26 | 12 | M10      | 35,6        |



Power: **2500VA**  
 Voltage PRI: **230V 50/60Hz**  
 Voltage SEC: **230V**

Opened build of general purpose transformers for installation in industrial and electromagnetic installations and devices. The transformers are made with Class I insulation and protection grade IP00, maximum ambient temperature 40°C, thermal class of insulation B (130°C). Cast resin in a metal cover protects against external factors. Transformer recommended for supplying electric heating of turnouts. Manufactured in compliance with EN61558-2-4.

| Catalog number    | Type                | Power | Voltage | Mounting |
|-------------------|---------------------|-------|---------|----------|
|                   |                     | [VA]  | [V]     |          |
| <b>16253-9973</b> | <b>TUM/K 2502/K</b> | 2500  | 230     | 11x22    |