Control- and isolating transformer

# TT1 4-44-23



Picture shows TT1 20-4/23

## Advantages

- Safe galvanic isolation
- Patented assembly technology
- Very good corrosion protection and low noise thanks to BLOCK IMPEX vacuum impregnation
- Primary side ±5 % tappings for voltage adjustment
- Fixed, contact protected screw connection terminals complying with UVV BGV A3
- Multi-functional mounting brackets with 8 slots
- Space saving, thanks to horizontal design
- Integrated crane eyes
- Non-slip terminals

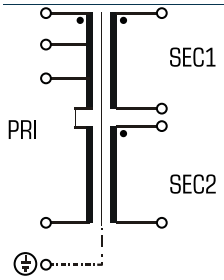
## Applications

Isolating transformer for the safe electrical isolation of the input and output sides. The transformer may be used to set up protective separation as a protective measure in accordance with VDE 0100.

As a control transformer for the electrical isolation of the input and output sides.The construction of the transformer is designed to supply control systems according to EN 60204.

As a safety isolating 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

Control transformer
to: VDE 0570 Teil 2-2, DIN EN 61558-2-2, EN 61558-2-2, IEC 61558-2-2, UL 5085-1/-2, CSA 22.2 No.66
Isolating transformer
to: VDE 0570 Part 2-4, DIN EN 61558-2-4, EN 61558-2-4, IEC 61558-2-4, UL 5085-1/-2, CSA 22.2 No.66

## Approvals

UL 5085, CSA 22.2 (E 103521)

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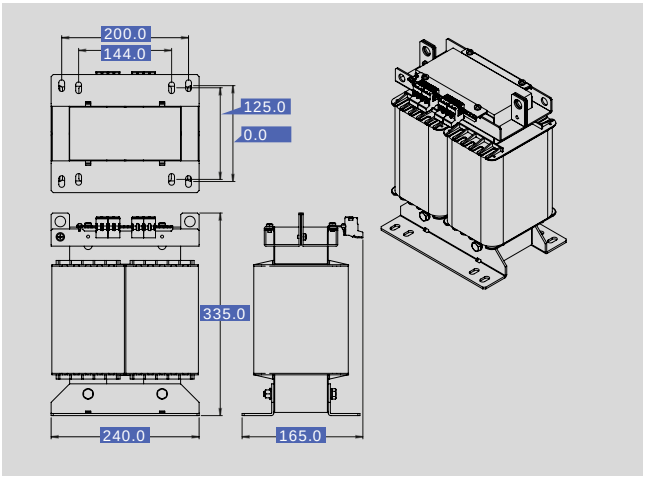
# Control- and isolating transformer
# TT1 4-44-23

## Electrical data

| Type | TT1 4-44-23 |
|---|---|
| **Input** | |
| Rated input current | 10.1 A /9.6 A /9.1 Aac |
| Rated input voltage | 418/440/462 Vac |
| Rated frequency | 50 - 60 Hz |
| **Output** | |
| Rated output current | 17.4 Aac |
| Rated output voltage | 2 x 115 Vac |
| Rated power VDE (DB cos phi=1) | 4,000 VA |
| Rated power VDE (KB cos phi=0.5) | 12,450 VA |
| Short circuit voltage uK | ca. 4.0 % |
| Vector group | Iii0 |
| Efficiency | 95 % |
| **Standards** | |
| Classification | Control- and isolating transformer |
| **Approvals** | |
| Approvals | cURus |
| **Environment** | |
| Ambient temperature max. | 40 °C |
| Type of cooling | AN |
| **Safety and protection** | |
| Insulation class | VDE=F, UL=class 155 |
| Protection index | IP 00<br>IPXXB on request |
| Safety class (prepared) | I |
| Type | Open type |
| Short circuit strength | non-short-circuit proof |
| **Order numbers** | |
| **Order Number** | **TT1 4-44-23** |

## Mechanical data

| Type | TT1 4-44-23 |
|---|---|
| **Terminal and mounting** | |
| Fixing method | Fixing rail |
| Fixing screws | M10 |
| Terminals Input | Screw clamp, 4 mm² |
| Terminals Output | Screw clamp, 4 mm² |
| Terminals PE | Screw-type terminal, 4 mm² |
| **Measures and weights** | |
| Core type | UI 180/63 |
| Weight | 31.0 kg |




Subject to change.