

# Control- and isolating transformer STEU 1600/23



Picture shows STEU 1600/23

## Advantages

|  |
|--|
| Dual input voltage 230 and 400 Vac   |
| Very good switch-on behaviour thanks to reduced starting currents          |
| High performance for the volume thanks to compact design                   |
| Primary side $\pm 15$ V tapings for voltage adjustment                     |
| Very good corrosion protection and low noise thanks to vacuum impregnation |
| Quick to cable up thanks to the use of spring-clamp terminals              |
| Contact protected screw connection terminals complying with UVV BGV A3     |
| Simple mounting thanks to robust metal footplate with oval slots           |
| Up to 250 VA with combination footplate for bolted and rail mounting       |

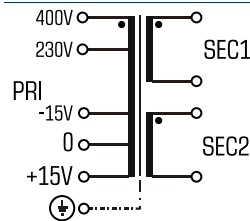
## Applications

As a control transformer for the electrical isolation of the input and output sides. The construction of the transformer to supply control systems according to VDE 0113 is designed.

As an 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 safety 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 5085-1/-2, CSA 22.2 No.66



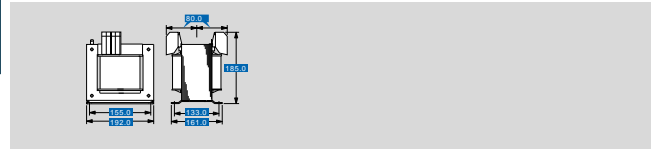
# Control- and isolating transformer

## STEU 1600/23

| Type                      |   | STEU 1600/23                       |
|---------------------------|---|------------------------------------|
| Electrical data           | Input   |                                    |
|                           | Rated input voltage   | 230/400 Vac                        |
|                           | Tappings Input  | ±15 V                              |
|                           | Rated frequency   | 50 - 60 Hz                         |
|                           | Output  |                                    |
|                           | Rated output voltage  | 2 x 115 Vac                        |
|                           | Rated power VDE (DB cos phi=1)  | 1.600 VA                           |
|                           | Rated power VDE (KB cos phi=0,5)  | 7.800 VA                           |
|                           | No-load voltage (app. x factor)   | 1.01                               |
|                           | Efficiency  | 94.0 %                             |
|                           | Standards   |                                    |
|                           | Classification  | Control- and isolating transformer |
|                           | Approvals   |                                    |
|                           | Approvals   | cURus                              |
|                           | Environment   |                                    |
|                           | Ambient temperature max.  | 40 °C                              |
|                           | Type of cooling   | self-cooling                       |
|                           | Safety and protection   |                                    |
|                           | Type  | Open type                          |
|                           | Insulation class  | VDE=B, UL=class 130                |
|                           | Protection index  | IP 00                              |
|                           | Safety class (prepared)   | I                                  |
|                           | Short circuit strength  | non-short-circuit proof            |
|                           | PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x I rated related to set) |                                    |
|                           | Setting range 230 ±15 Vac   | 6.30 - 10.00 A                     |
|                           | Setting value 230 ±15 Vac   | 7.30 A                             |
|                           | Setting range 400 ±15 Vac   | 4.00 - 6.30 A                      |
| Setting value 400 ±15 Vac | 4.20 A  |                                    |
| Order numbers             |   |                                    |
| Order Number              | STEU 1600/23  |                                    |

| Type                  |               | STEU 1600/23                  |
|-----------------------|---------------|-------------------------------|
| Terminal and mounting | Fixing method | Base plate                    |
|                       | Fixing screws | M8                            |
|                       | Terminals     | Spring terminal, PE 6.3 x 0.8 |
| Measures and weights  | Weight        | 21.0 kg                       |

30 Mechanical data



Subject to change.