

# Control- and safety isolating transformer STEU 1000/24



Picture shows STEU 160/23

## Advantages

Dual input voltage 230 and 400 Vac
Very good switch-on behaviour thanks to reduced starting currents
High power density due to a compact construction design
Primary side $\pm 15$ V tapings for voltage adjustment
Very good corrosion protection and low noise thanks to BLOCK IMPEX 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

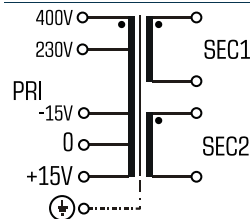
## Applications

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

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  
Safety isolating transformer  
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6,  
UL 5085-1/-2, CSA 22.2 No.66

## Approvals



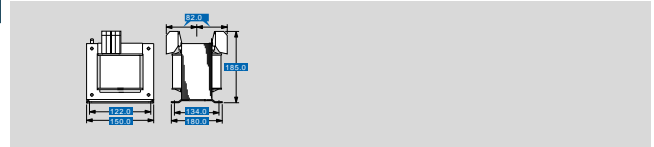


# Control- and safety isolating transformer

## STEU 1000/24

Type	STEU 1000/24
<b>Electrical data</b>	
<b>Input</b>	
Rated input voltage	230/400 Vac
Tappings Input	±15 V
Rated frequency	50 - 60 Hz
<b>Output</b>	
Rated output voltage	2 x 12 Vac
Rated power VDE (DB cos phi=1)	1,000 VA
Rated power VDE (KB cos phi=0.5)	5,000 VA
No-load voltage (app. x factor)	1.03
Efficiency	94.0 %
<b>Standards</b>	
Classification	Control- and safety isolating transformer
<b>Approvals</b>	
Approvals	cURus, EAC
<b>Environment</b>	
Ambient temperature max.	40 °C
Type of cooling	self-cooling
<b>Safety and protection</b>	
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	4.00 - 6.30 A
Setting value 230 ±15 Vac	4.60 A
Setting range 400 ±15 Vac	2.50 - 4.00 A
Setting value 400 ±15 Vac	2.70 A
<b>Order numbers</b>	
<b>Order Number</b>	<b>STEU 1000/24</b>

Type	STEU 1000/24
<b>Mechanical data</b>	
<b>Terminal and mounting</b>	
Fixing method	Base plate
Fixing screws	M6
Terminals Input	4 mm <sup>2</sup> spring terminal
Terminals Output	4 mm <sup>2</sup> spring terminal
Terminals PE	Tab connector, 6.3 x 0.8 mm
<b>Measures and weights</b>	
Weight	13.3 kg



Subject to change.