

## Control- and safety isolating- resp. isolating transformer ST 160/23/23



Picture shows ST 160/23-23

### Advantages

Very good switch-on behaviour thanks to reduced starting currents
High performance for the volume thanks to compact design
Primary side $\pm 5\%$ tapplings for voltage adjustment
Very good corrosion protection and low noise thanks to BLOCKIMPEX vacuum impregnation
Contact protected screw connection terminals complying with UVV BGV A3
Simple mounting thanks to robust metal footplate with oval slots

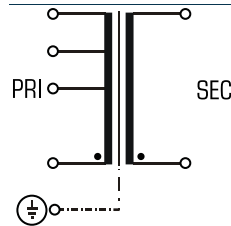
### Applications

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 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



ENEC 10 (VDE), UL 5085-1/-2, CSA 22.2 No.66



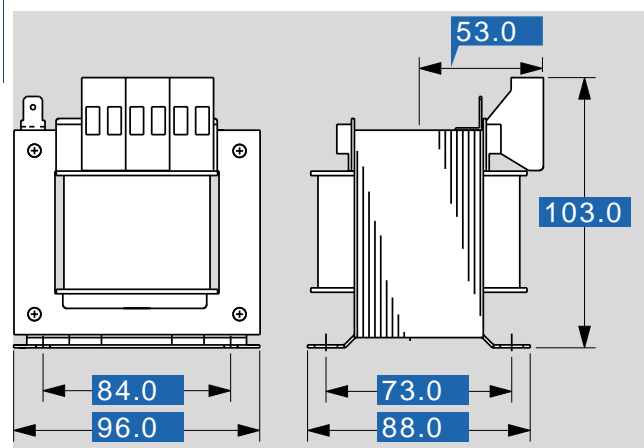
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### Electrical data

Type	ST 160/23/23
<b>Input</b>	
Rated input voltage	230 Vac
Tappings Input	±5 %
Rated frequency	50 - 60 Hz
<b>Output</b>	
Rated output voltage	230 Vac
Rated power VDE (DB cos phi=1)	160 VA
Rated power VDE (KB cos phi=0.5)	390 VA
No-load voltage (app. x factor)	1.09
Efficiency	87 %
<b>Approvals</b>	
Approvals	cURus, ENEC 10 (VDE)
<b>Environment</b>	
Ambient temperature max.	40 °C
Cooling method	self-cooling
<b>Safety and protection</b>	
Type	open type
Class of Insulation System	VDE=B, UL=class 105
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 <sub>rated</sub> related to set)	
Setting range	0.63 - 1.00 A
Setting value	0.78 A
<b>Order numbers</b>	
Order Number	ST 160/23/23

### Mechanical data

Type	ST 160/23/23
<b>Terminal and mounting</b>	
Terminals	Screw-type terminals, PE 6.3 x 0.8
Fixing method	Base plate
Fixing screws	M5
<b>Measures and weights</b>	
Weight	2.80 kg



Subjects to change.