

# Control- and safety isolating- resp. isolating transformer ST 20/23/23



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  $\pm 5\%$  % tapings 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

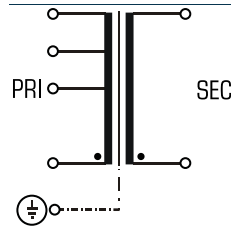
## Applications

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



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



# Control- and safety isolating- resp. isolating transformer ST 20/23/23

Type		ST 20/23/23
<b>Electrical data</b>	Input	
	Rated input voltage	230 Vac
	Tappings Input	±5 %
	Rated frequency	50 - 60 Hz
	Output	
	Rated output voltage	230 Vac
	Rated power VDE (DB cos phi=1)	20 VA
	Rated power VDE (KB cos phi=0.5)	42 VA
	No-load voltage (app. x factor)	1.10
	Efficiency	81 %
	Approvals	
	Approvals	cURus, ENEC 10 (VDE)
	Environment	
	Ambient temperature max.	40 °C
	Cooling method	self-cooling
Safety and protection		
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	0.10 - 0.16 A	
Setting value	0.11 A	
Order numbers		
<b>Order Number</b>	<b>ST 20/23/23</b>	

Type		ST 20/23/23
<b>Mechanical data</b>	Terminal and mounting	
	Terminals	Screw-type terminals, PE 6.3 x 0.8
	Fixing method	Base plate
	Fixing screws	M4
	Measures and weights	
	Weight	0.70 kg

