

## Control- and isolating transformer ST 320/69/23



Picture shows ST 160/23-23

### Advantages

Reduced inrush current
High power density due to a compact construction design
Primary side $\pm 5\%$ taps for voltage adjustment
Very good corrosion protection and low noise due to BLOCK IMPEX vacuum impregnation
Contact protected screw connection terminals complying with UVV BGV A3
Simple mounting due to robust metal footplate with oval slots

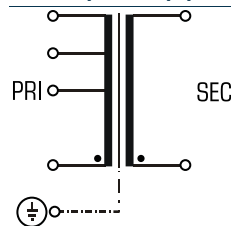
### Applications

As a control transformer for the electrical isolation of the input and output sides. The construction of the transformer 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 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  
Control transformer  
to: VDE 0570 Teil 2-2, DIN EN 61558-2-2, EN 61558-2-2, IEC 61558-2-2

### Approvals



VDE



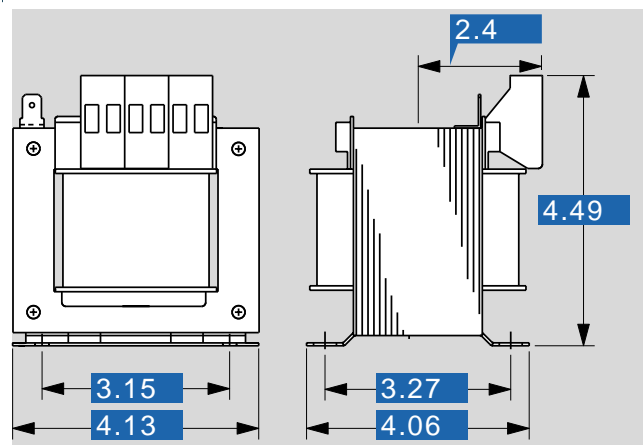
## Control- and isolating transformer ST 320/69/23

### Electrical data

Type	ST 320/69/23
Input	
Rated input voltage	690 Vac
Tappings Input	±5 %
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	230 Vac
Rated power VDE (DB cos phi=1)	320 VA
Rated power VDE (KB cos phi=0.5)	810 VA
No-load voltage (app. x factor)	1.06
Efficiency	91 %
UL Derating	250 VA
Standards	
Classification	Control- and isolating transformer
Approvals	
Approvals	-
Environment	
Ambient temperature max.	104.0 °F
Type of cooling	by self-cooling
Safety and protection	
Type	Open type
Insulation class	B
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 Irated related to set)	
Setting range	0.40 - 0.63 A
Setting value	0.55 A
Order numbers	
Order Number	ST 320/69/23

### Mechanical data

Type	ST 320/69/23
Terminal and mounting	
Fixing method	Base plate
Fixing screws	M5
Terminals Input	Screw clamp, 4 mm²
Terminals Output	Screw clamp, 4 mm²
Connection type	Tab connector, 6.3 x 0.8 mm
Measures and weights	
Weight	9.48 lbs
Dimensions in inch	



Subject to change.