

Control- and safety isolating- resp. isolating transformer ST 630/69/23



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

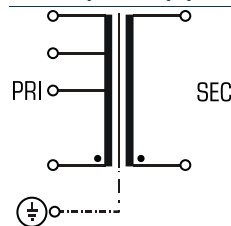
Applications

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
Control transformer
to: VDE 0570 Teil 2-2, DIN EN 61558-2-2, EN 61558-2-2, IEC 61558-2-2

Approvals



Control- and safety isolating- resp. isolating transformer ST 630/69/23

Electrical data

Type	ST 630/69/23
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)	630 VA
Rated power VDE (KB cos phi=0.5)	1540 VA
No-load voltage (app. x factor)	1.05
Efficiency	92 %
Approvals	
Approvals	-
Environment	
Ambient temperature max.	40 °C
Cooling method	self-cooling
Safety and protection	
Type	open type
Class of Insulation System	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 I _{rated} related to set)	
Setting range	1.00 - 1.60 A
Setting value	1.00 A
Order numbers	
Order Number	ST 630/69/23

Mechanical data

Type	ST 630/69/23
Terminal and mounting	
Terminals	Screw-type terminals, PE 6.3 x 0.8
Fixing method	Base plate
Fixing screws	M6
Measures and weights	
Weight	7.70 kg

