

Control- and isolating transformer ST 1600/69/23



Picture shows ST 160/23-23

Advantages

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

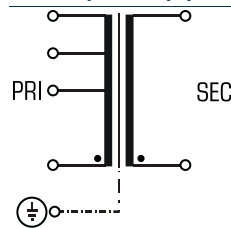
Applications

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 isolating transformer ST 1600/69/23

Type		ST 1600/69/23
Electrical data	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)	1,600 VA
	Rated power VDE (KB cos phi=0,5)	7,800 VA
	No-load voltage (app. x factor)	1.03
	Efficiency	94.0 %
	UL Derating	-
	Standards	
	Classification	Control- and isolating transformer
	Approvals	
	Approvals	-
	Environment	
	Ambient temperature max.	40 °C
	Type of cooling	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 I _{rated} related to set)		
Setting range	1.60 - 2.50 A	
Setting value	2.50 A	
Order numbers		
Order Number	ST 1600/69/23	

Type		ST 1600/69/23
Mechanical data	Terminal and mounting	
	Terminals	Screw-type terminals, PE 6.3 x 0.8
	Fixing method	Base plate
	Fixing screws	M8
	Measures and weights	
	Weight	16.80 kg

