

Control- and safety isolating transformer FST 100/24



Picture shows FST 100/24

Advantages

With integrated FAIL-SAFE protection
High power density due to a compact construction design
Reduced inrush current
May be operated at 50 - 60 Hz
Very good corrosion protection and low noise due to vacuum impregnation
Primary side for input voltage 230 Vac and 400 Vac
100 VA and 160 VA versions for mounting with integrated DIN rail mounting in compliance with DIN 50022

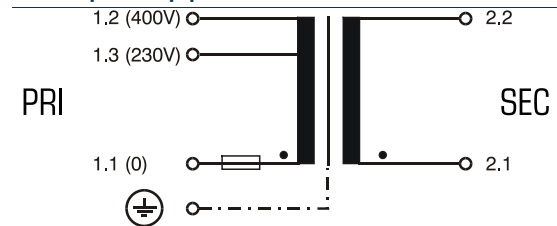
Applications

FAIL-SAFE transformer as a control transformer for electrical isolations of the input and output sides. The transformer is designed to provide control in compliance with EN 60204

FAIL-SAFE transformer 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.

FAIL-SAFE transformer as a safety transformer to secure electrical isolation of the input and output sides. By limiting the output voltage, this transformer is suitable for the construction of both SELV and PELV electrical circuits.

Sample application



Standards

FAIL-SAFE control and safety transformer to: EN 61558 part 1 with part 2-2 and part 2-6

Approvals



VDE



Control- and safety isolating transformer

FST 100/24

Type		FST 100/24
Electrical data	Input	
	Rated input current	0,49 A/0,28 Aac
	Rated input voltage	230 Vac/400 Vac
	Switch-on time	100%
	Frequency Range	50-60 Hz
	Output	
	Rated output current	4,17 Aac
	Rated output voltage	24 Vac
	Rated power VDE (DB cos phi=1)	100 VA
	Rated power VDE (KB cos phi=0,5)	220 VA
Vector group	li0	
Power loss	14 W	
Standards		
Classification	Control- and safety isolating transformer	
Environment		
Ambient temperature max.	104,0 °F	
Type of cooling	AN	
Safety and protection		
Protection index	IP 00	
Safety class (prepared)	I	
Insulation class	B	
Order numbers		
Order Number	FST 100/24	

Type		FST 100/24
Mechanical data	Terminal and mounting	
	DIN rail mounting	Yes
	Connection type	Tab connector, 6.3 x 0.8 mm
Terminals Input	Screw terminal 4 mm ²	
Terminals Output	Screw terminal 4 mm ²	
Measures and weights		
Core type	EI 84/43,5	
Weight	4.41 lbs	

