

## 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
Very good switch-on behaviour thanks to reduced starting currents
May be operated at 50 - 60 Hz
Very good corrosion protection and low noise thanks to BLOCK IMPEX 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

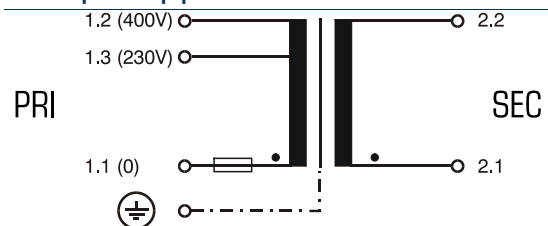
### Applications

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



### Electrical data

Type	FST 100/24
<b>Input</b>	
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
<b>Output</b>	
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	14,0 W
<b>Standards</b>	
Classification	Control- and safety isolating transformer
<b>Environment</b>	
Ambient temperature max.	40 °C
Type of cooling	AN
<b>Safety and protection</b>	
Protection index	IP 00
Safety class (prepared)	I
Insulation class	B
<b>Order numbers</b>	
<b>Order Number</b>	<b>FST 100/24</b>



### Mechanical data

Type	FST 100/24
<b>Terminal and mounting</b>	
DIN rail mounting	Yes
Terminals Input	Screw clamp, 4 mm²
Terminals Output	Screw clamp, 4 mm²
Terminals PE	Tab connector, 6,3 x 0,8 mm
<b>Measures and weights</b>	
Core type	EI 84/43,5
Weight	2,00 kg

