

# Safety isolating transformer FL 52/12



Picture shows FL 42/12

## Advantages

- Minimum size at high output
- Low height
- Dual input voltage for series or parallel connection
- Dual output voltage for series or parallel connection
- Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDenseFill resin encapsulation
- Self-extinguishing potting material

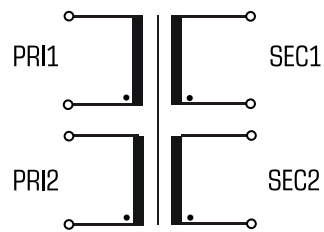
## Applications

As a mains transformer for adjustment of the voltage and simple electrical isolation.

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

Safety isolating transformer  
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6,  
UL 5085-1/-2, CSA 22.2 No.66

## Approvals



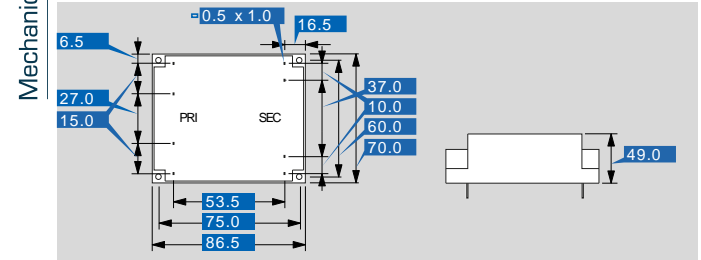
VDE, UL 5085-1/-2, CSA 22.2 No.66



# Safety isolating transformer FL 52/12

Electrical data	
Type	FL 52/12
<b>Input</b>	
Rated input voltage	2 x 115 Vac
Rated frequency	50 - 60 Hz
<b>Output</b>	
Rated output voltage	2 x 12 Vac
Rated Power	52 VA
No-load voltage (app. x factor)	1.12
No-load loss (typ.)	4.00 W
Efficiency	81.0 %
<b>Standards</b>	
Classification	Safety isolating transformer
<b>Approvals</b>	
Approvals	cURus, VDE
<b>Environment</b>	
Ambient temperature max.	40 °C
<b>Safety and protection</b>	
Type	Encapsulated
Insulation class	VDE=E, UL=class 105
Protection index	IP 00
Safety class (prepared)	II
Short circuit strength	non-short-circuit proof
<b>Order numbers</b>	
<b>Order Number</b>	<b>FL 52/12</b>

Mechanical data	
Type	FL 52/12
<b>Terminal and mounting</b>	
Terminals	Pins for PCB
<b>Measures and weights</b>	
Core type	UI 48/26
Weight	0.98 kg



Subject to change.