

# Safety isolating transformer FL 18/12



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

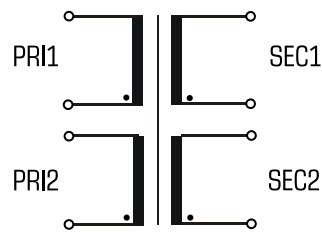
## Applications

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



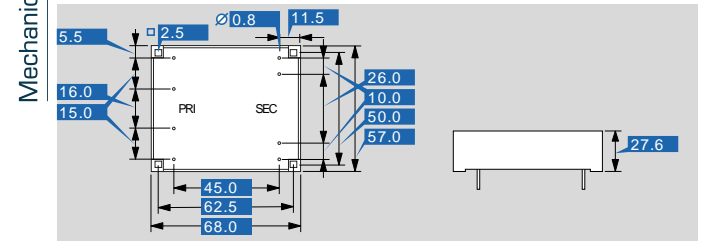
VDE, UL 5085-1/-2, CSA 22.2 No.66



## Safety isolating transformer FL 18/12

Electrical data		Type	FL 18/12
<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			18 VA
No-load voltage (app. x factor)			1.22
No-load loss (typ.)			1.50 W
Efficiency			77.0 %
<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 18/12</b>

Mechanical data		Type	FL 18/12
<b>Terminal and mounting</b>			
Terminals			Pins for PCB
<b>Measures and weights</b>			
Core type			UI 39/13,5
Weight			0.38 kg



Subject to change.