

## Low profile transformer FL 42/12



### Advantages

- Minimum size at high output
- Low height
- Double input voltage for series or parallel connection
- Double output voltage for series or parallel connection
- Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDensiFill resin encapsulation
- Coil shell in 2-chamber technology
- Self-extinguishing potting material

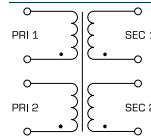
### Applications

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.

### Circuit Diagram



### Standards



Safety isolating transformer  
to: VDE 0570 Teil 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



ENEC 10 (VDE), UL 5085-1/-2, CSA 22.2 No.66

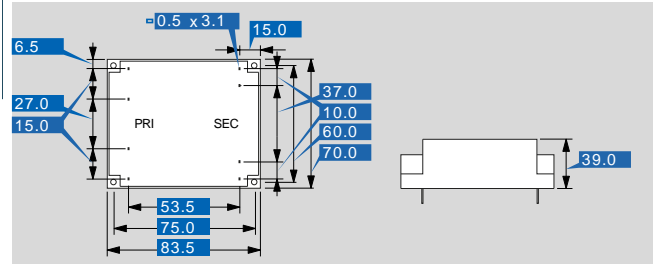


## Low profile transformer FL 42/12

Type		FL 42/12
Electrical data	<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	42.0 VA
	No-load voltage (app. x factor)	1.16
	No-load loss (typ.)	3.50 W
	Efficiency	81 %
	<b>Standards</b>	
Classification	Safety isolating transformer	
<b>Approvals</b>		
Approvals	cURus, ENEC 10 (VDE)	
<b>Environment</b>		
Ambient temperature max.	40 °C	
<b>Safety and protection</b>		
Type	encapsulated	
Class of Insulation System	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 42/12</b>	

Type		FL 42/12
<b>Terminal and mounting</b>		
Terminals	Pins for printed circuit boards	
<b>Measures and weights</b>		
Core type	UI 48/17	
Weight	0.72 kg	

30  
Mechanical data



Subjects to change.