

## Low profile transformer FL 42/18



### 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

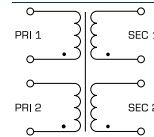
### Applications

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



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Electrical data	
<b>Type</b>	FL 42/18
<b>Input</b>	
Rated input Voltage	2 x 115 Vac
Rated frequency	50 - 60 Hz
<b>Output</b>	
Rated output voltage	2 x 18 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 42/18</b>

Mechanical data	
<b>Type</b>	FL 42/18
<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

