Safety isolating transformer
FL 18/9



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

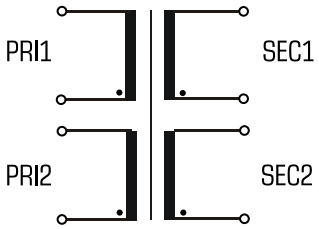
Applications

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



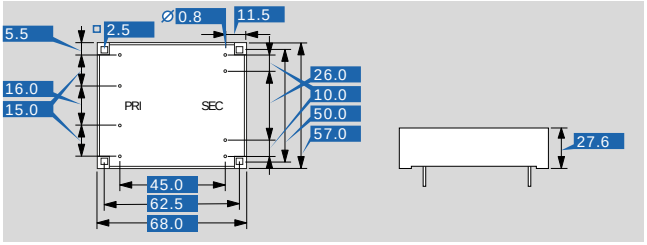
Safety isolating transformer
FL 18/9

Electrical data

Type	FL 18/9
Input	
Rated input voltage	2 x 115 Vac
Rated frequency	50 - 60 Hz
Output	
Rated output voltage	2 x 9 Vac
Rated Power	18 VA
No-load voltage (app. x factor)	1.22
No-load loss (typ.)	1.50 W
Efficiency	77.0 %
Standards	
Classification	Safety isolating transformer
Approvals	
Approvals	cURus, VDE
Environment	
Ambient temperature max.	40 °C
Safety and protection	
Type	Encapsulated
Insulation class	VDE=E, UL=class 105
Protection index	IP 00
Safety class (prepared)	II
Short circuit strength	non-short-circuit proof
Order numbers	
Order Number	**FL 18/9**

Mechanical data

Type	FL 18/9
Terminal and mounting	
Terminals	Pins for PCB
Measures and weights	
Core type	UI 39/13,5
Weight	0.38 kg



Subject to change.