

Safety isolating transformer FL 42/18



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

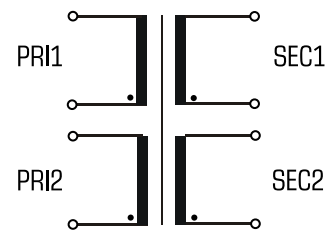
Applications

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



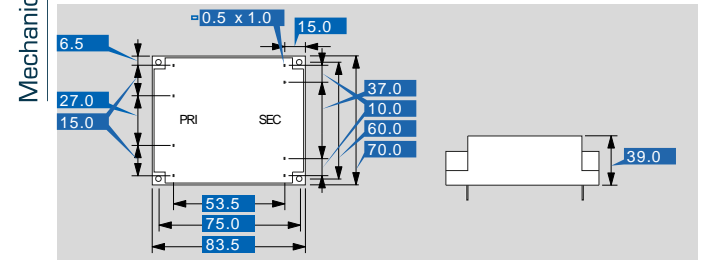
VDE, UL 5085-1/-2, CSA 22.2 No.66



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Electrical data		Type	FL 42/18
Input			
Rated input voltage			2 x 115 Vac
Rated frequency			50 - 60 Hz
Output			
Rated output voltage			2 x 18 Vac
Rated Power			42 VA
No-load voltage (app. x factor)			1.16
No-load loss (typ.)			3.50 W
Efficiency			81.0 %
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 42/18

Mechanical data		Type	FL 42/18
Terminal and mounting			
Terminals			Pins for PCB
Measures and weights			
Core type			UI 48/17
Weight			0.72 kg



Subject to change.