

# Safety isolating transformer FL 18/8



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 due 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



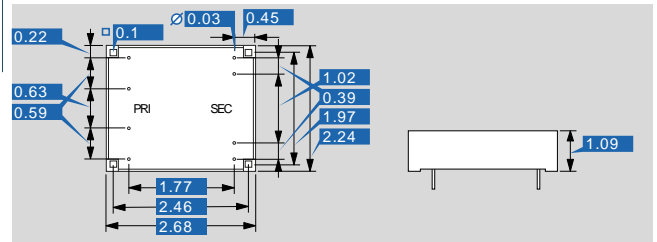
# Safety isolating transformer

## FL 18/8

| Type                    |                                 | FL 18/8                      |
|-------------------------|---------------------------------|------------------------------|
| Electrical data         | Input                           |                              |
|                         | Rated input voltage             | 2 x 115 Vac                  |
|                         | Rated frequency                 | 50 - 60 Hz                   |
|                         | Output                          |                              |
|                         | Rated output voltage            | 2 x 8 Vac                    |
|                         | Power                           | 18 VA                        |
|                         | No-load voltage (app. x factor) | 1.22                         |
|                         | No-load loss (typ.)             | 1.5 W                        |
|                         | Efficiency                      | 77 %                         |
|                         | Standards                       |                              |
|                         | Classification                  | Safety isolating transformer |
|                         | Approvals                       |                              |
|                         | Approvals                       | cURus, VDE                   |
|                         | Environment                     |                              |
|                         | Ambient temperature max.        | 104.0 °F                     |
| 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           |                                 |                              |
| <b>Order Number</b>     | <b>FL 18/8</b>                  |                              |

| Type                  |  | FL 18/8      |
|-----------------------|--|--------------|
| Terminal and mounting |  |              |
| Terminals             |  | Pins for PCB |
| Measures and weights  |  |              |
| Core type             |  | UI 39/13,5   |
| Weight                |  | 0.84 lbs     |

### Dimensions in inch



Subject to change.