

## Isolating transformer FL 42/24



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                                                                                                  |

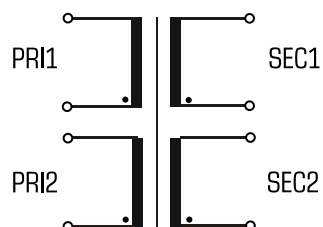
## Applications

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

Isolating transformer  
to: VDE 0570 Part2-4, DIN EN 61558-2-4, EN 61558-2-4, IEC 61558-2-4, UL  
5085-1/-2, CSA 22.2 No.66

## Approvals



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



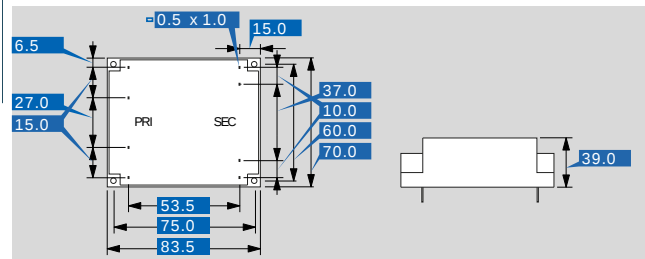
## Isolating transformer FL 42/24

### Electrical data

| Type                            | FL 42/24                |
|---------------------------------|-------------------------|
| Input                           |                         |
| Rated input voltage             | 2 x 115 Vac             |
| Rated frequency                 | 50 - 60 Hz              |
| Output                          |                         |
| Rated output voltage            | 2 x 24 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                  | 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 42/24                |

### Mechanical data

| Type                  | FL 42/24     |
|-----------------------|--------------|
| Terminal and mounting |              |
| Terminals             | Pins for PCB |
| Measures and weights  |              |
| Core type             | UI 48/17     |
| Weight                | 0.72 kg      |



Subject to change.