

Low profile transformer FL 18/12



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

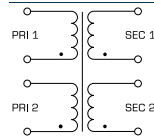
Applications

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 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



ENEC 10 (VDE), UL 5085-1/-2, CSA 22.2 No.66

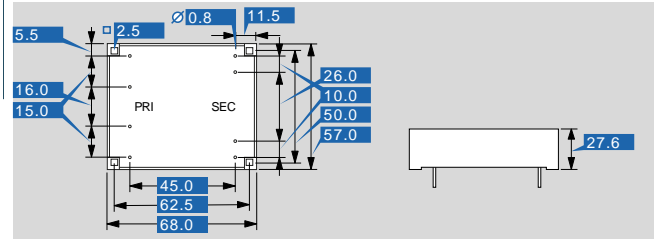


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| Type | | FL 18/12 |
|----------------------------|---------------------------------|------------------------------|
| Electrical data | Input | |
| | Rated input Voltage | 2 x 115 Vac |
| | Rated frequency | 50 - 60 Hz |
| | Output | |
| | Rated output voltage | 2 x 12 Vac |
| | Rated Power | 18.0 VA |
| | No-load voltage (app. x factor) | 1.22 |
| | No-load loss (typ.) | 1.50 W |
| | Efficiency | 77 % |
| | Standards | |
| | Classification | Safety isolating transformer |
| | Approvals | |
| | Approvals | cURus, ENEC 10 (VDE) |
| | Environment | |
| | Ambient temperature max. | 40 °C |
| Safety and protection | | |
| 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 | |
| Order numbers | | |
| Order Number | FL 18/12 | |

| Type | | FL 18/12 |
|-----------------------|--|---------------------------------|
| Terminal and mounting | | |
| Terminals | | Pins for printed circuit boards |
| Measures and weights | | |
| Core type | | UI 39/13,5 |
| Weight | | 0.38 kg |

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Mechanical data



Subjects to change.