

Short circuit proof PCB transformer



Picture shows AVB 3,2/2/18

Advantages

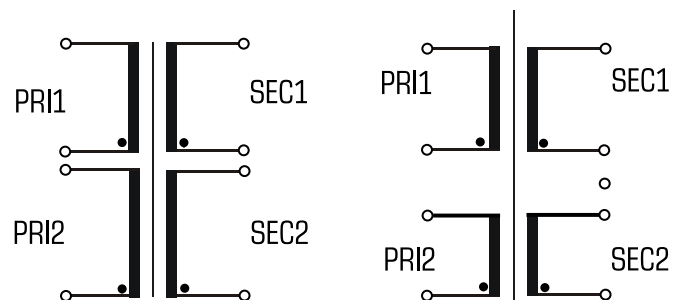
- Minimum size at high output
- Unconditionally short-circuit proof
- Double input voltage for series or parallel connection
- Also with double output voltage for series or parallel connection
- Designed for high ambient temperatures
- Permanent corrosion protection, high insulation value and maximum electrical reliability thanks to XtraDenseFill resin encapsulation
- Coil shell in 2-chamber technology
- Self-extinguishing potting and hood material

Applications

As a mains transformer for adjustment of the voltage and simple electrical isolation.

As a safety 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



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



Short circuit proof PCB transformer

AVB 3,2/2/18

Electrical data

| Type | AVB 3,2/2/18 |
|---------------------------------|--------------------------------|
| Input | |
| Rated input voltage | 2 x 115 Vac |
| Rated frequency | 50 - 60 Hz |
| Output | |
| Rated output voltage | 2 x 18 Vac |
| Rated Power | 3.20 VA |
| No-load voltage (app. x factor) | 1.57 |
| No-load loss (typ.) | 1.00 W |
| Efficiency | 58 % |
| Standards | |
| Classification | Safety isolating transformer |
| Approvals | |
| Approvals | cURus |
| Environment | |
| Ambient temperature max. | 50 °C |
| Safety and protection | |
| Type | encapsulated |
| Class of Insulation System | VDE=B, UL=class 105 |
| Protection index | IP 00 |
| Safety class (prepared) | II |
| Short circuit strength | inherently short-circuit proof |
| Order numbers | |
| Order Number | AVB 3,2/2/18 |

Mechanical data

| Type | AVB 3,2/2/18 |
|-----------------------|-------------------------|
| Terminal and mounting | |
| Terminals | Quick connect terminals |
| Pin (ø) | 0.6 x 0.8 |
| Measures and weights | |
| Core type | EI 38/16,5 |
| Weight | 0.17 kg |

