



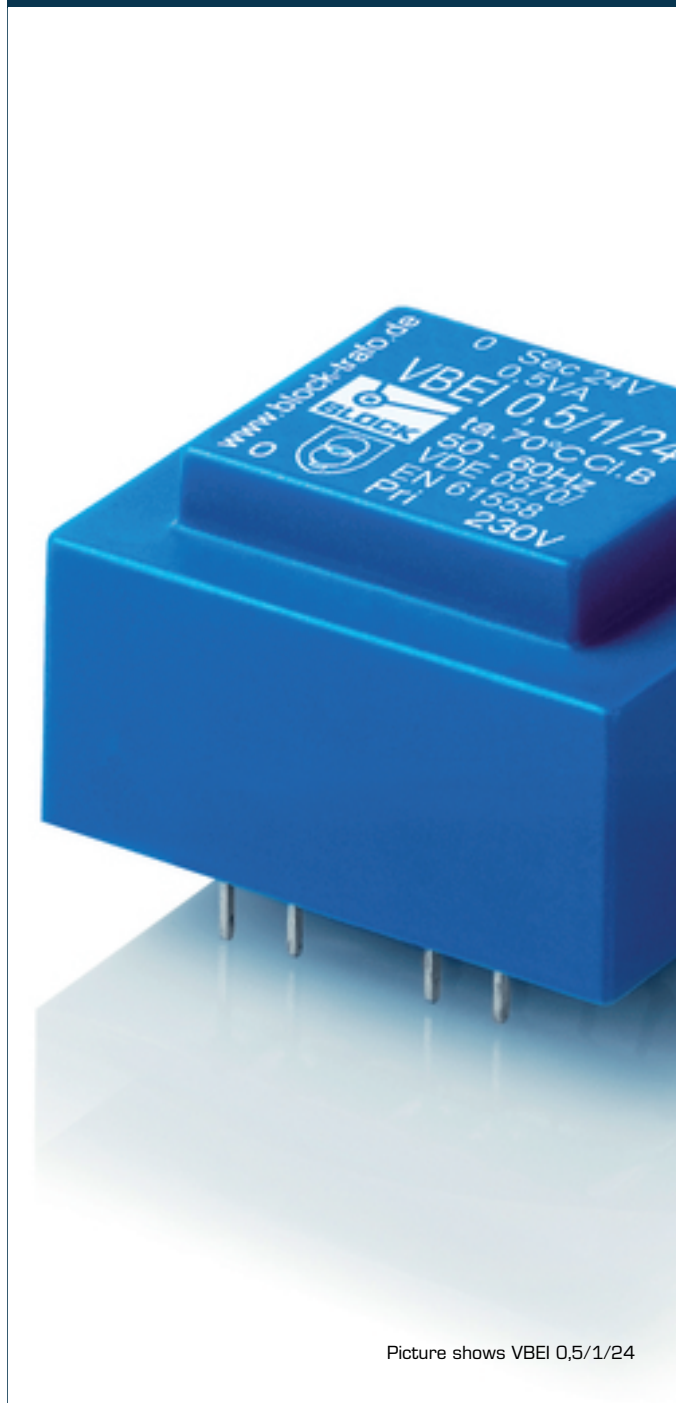
**Automatización Eléctrica**

Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

# Safety isolating transformer

## VBEI 0,5/1/6



Picture shows VBEI 0,5/1/24

## Advantages

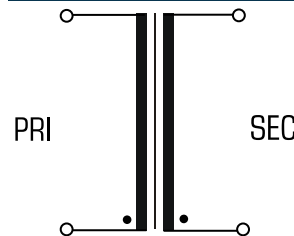
|  |
|--|
| Minimum size at high output  |
| Very low height  |
| Unconditionally short-circuit proof  |
| Also with dual output voltage for series or parallel connection  |
| Designed for high ambient temperatures   |
| Permanent corrosion protection, high insulation value and maximum electrical reliability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

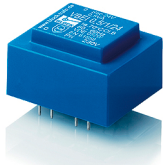


Safety isolating transformer  
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6,  
UL 5085-1/-2, CSA 22.2 No.66

## Approvals



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

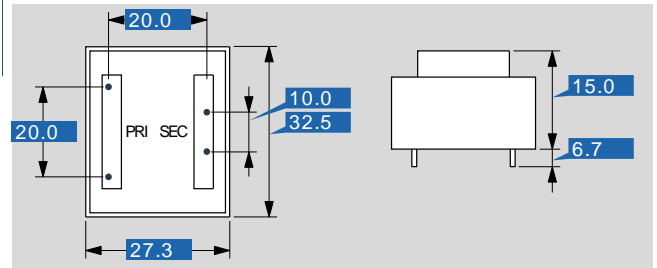


# Safety isolating transformer

## VBEI 0,5/1/6

| Electrical data                 |                                |
|---------------------------------|--------------------------------|
| <b>Type</b>                     | VBEI 0,5/1/6                   |
| <b>Input</b>                    |                                |
| Rated input voltage             | 230 Vac                        |
| Rated frequency                 | 50 - 60 Hz                     |
| <b>Output</b>                   |                                |
| Rated output voltage            | 6 Vac                          |
| Rated Power                     | 0.50 VA                        |
| No-load voltage (app. x factor) | 1.60                           |
| No-load loss (typ.)             | 1.90 W                         |
| Efficiency                      | 28 %                           |
| <b>Standards</b>                |                                |
| Classification                  | Safety isolating transformer   |
| <b>Approvals</b>                |                                |
| Approvals                       | cURus, ENEC 10 (VDE)           |
| <b>Environment</b>              |                                |
| Ambient temperature max.        | 70 °C                          |
| <b>Safety and protection</b>    |                                |
| 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 |
| <b>Order numbers</b>            |                                |
| <b>Order Number</b>             | VBEI 0,5/1/6                   |

| Mechanical data              |                                 |
|------------------------------|---------------------------------|
| <b>Type</b>                  | VBEI 0,5/1/6                    |
| <b>Terminal and mounting</b> |                                 |
| Terminals                    | Pins for printed circuit boards |
| <b>Measures and weights</b>  |                                 |
| Pin (ø)                      | 0.8 mm                          |
| Core type                    | EI 30/5,0                       |
| Weight                       | 0.04 kg                         |



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button](#).

| <b>Product</b>  | <b>Code</b> | <b>Reference</b> | <b>Product link</b>        |
|---|-------------|------------------|----------------------------|
| Short circuit proof PCB transformer short circuit proof, encapsulated, low profile, PRI 230 Vac, SEC 0.5 VA, 6 - 24 Vac, 2 x 6 - 2 x 24 Vac | VBEI0516    | VBEI<br>0,5/1/6  | <a href="#">Buy on EAN</a> |