

## Control- and safety isolating- resp. isolating transformer ST 63/4/42



### Advantages

|                                                                                       |
|---------------------------------------------------------------------------------------|
| Very good switch-on behaviour thanks to reduced starting currents                     |
| High performance for the volume thanks to compact design                              |
| Primary side $\pm 5\%$ % tapings for voltage adjustment                               |
| Very good corrosion protection and low noise thanks to BLOCKIMPEX vacuum impregnation |
| Contact protected screw connection terminals complying with UVV BGV A3                |
| Simple mounting thanks to robust metal footplate with oval slots                      |

### Applications

As a control transformer for the electrical isolation of the input and output sides. The construction of the transformer to supply control systems according to VDE 0113 is designed.

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.

### Standards



Safety isolating transformer  
to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6  
Control transformer  
to: VDE 0570 Teil 2-2, DIN EN 61558-2-2, EN 61558-2-2, IEC 61558-2-2

### Approvals



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



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### Electrical data

| Type                                                                                                                   | ST 63/4/42                                |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Input</b>                                                                                                           |                                           |
| Rated input voltage                                                                                                    | 400 Vac                                   |
| Tappings Input                                                                                                         | ±5 %                                      |
| Rated frequency                                                                                                        | 50 - 60 Hz                                |
| <b>Output</b>                                                                                                          |                                           |
| Rated output voltage                                                                                                   | 42 Vac                                    |
| Rated power VDE (DB cos phi=1)                                                                                         | 63 VA                                     |
| Rated power VDE (KB cos phi=0.5)                                                                                       | 110 VA                                    |
| No-load voltage (app. x factor)                                                                                        | 1.10                                      |
| Efficiency                                                                                                             | 84 %                                      |
| <b>Standards</b>                                                                                                       |                                           |
| Classification                                                                                                         | Control- and safety isolating transformer |
| <b>Approvals</b>                                                                                                       |                                           |
| Approvals                                                                                                              | cURus, ENEC 10 (VDE)                      |
| <b>Environment</b>                                                                                                     |                                           |
| Ambient temperature max.                                                                                               | 40 °C                                     |
| Cooling method                                                                                                         | by self-cooling                           |
| <b>Safety and protection</b>                                                                                           |                                           |
| Type                                                                                                                   | open type                                 |
| Class of Insulation System                                                                                             | VDE-B, UL=class 105                       |
| Protection index                                                                                                       | IP 00                                     |
| Safety class (prepared)                                                                                                | I                                         |
| Short circuit strength                                                                                                 | non-short-circuit proof                   |
| PRI Fusing recommendation by circuit breaker with tripping characteristic type 20 x I <sub>rated</sub> related to set) |                                           |
| Setting range                                                                                                          | 0.16 - 0.25 A                             |
| Setting value                                                                                                          | 0.19 A                                    |
| <b>Order numbers</b>                                                                                                   |                                           |
| Order Number                                                                                                           | ST 63/4/42                                |

### Mechanical data

| Type                         | ST 63/4/42                         |
|------------------------------|------------------------------------|
| <b>Terminal and mounting</b> |                                    |
| Terminals                    | Screw-type terminals, PE 6.3 x 0.8 |
| Fixing method                | Base plate                         |
| Fixing screws                | M4                                 |
| <b>Measures and weights</b>  |                                    |
| Weight                       | 1.10 kg                            |

