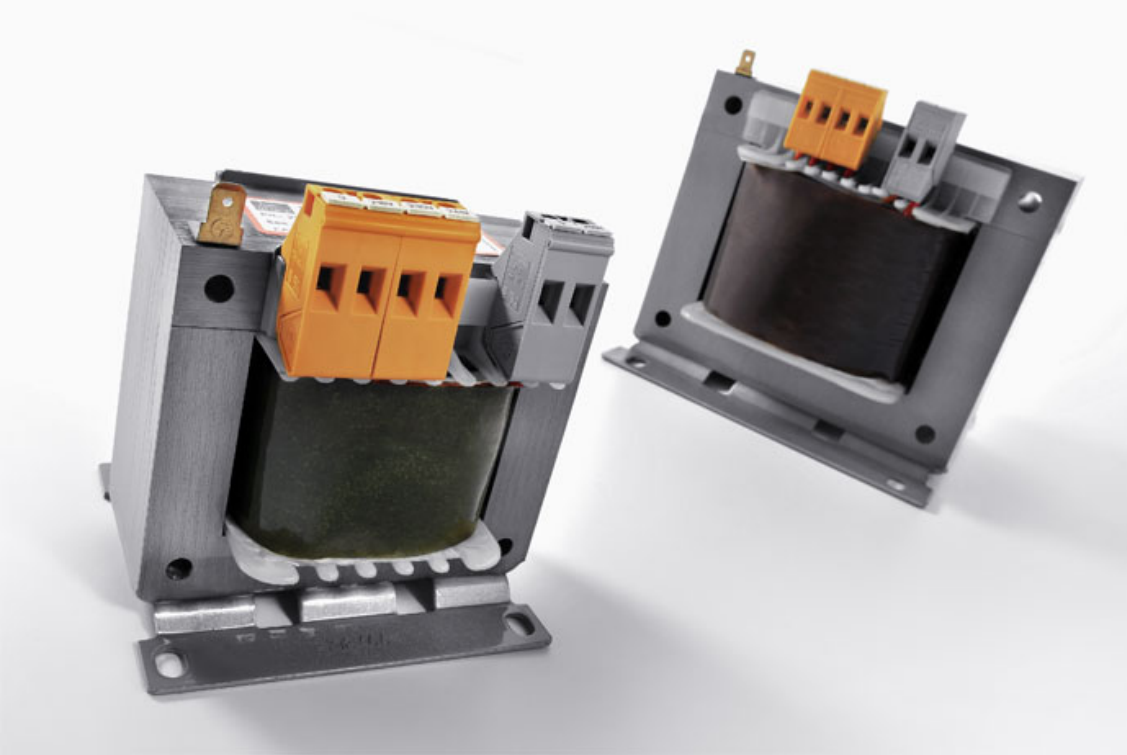




# ST 160/69/23\*

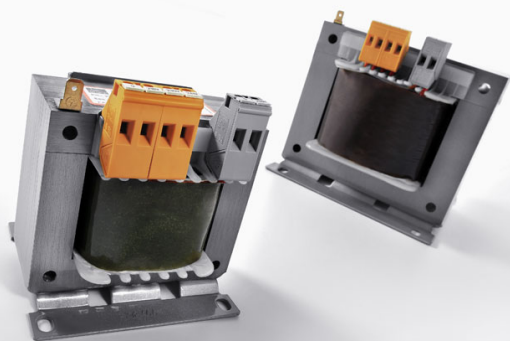
## Control-, safety isolating- and isolating transformer

- Screw type terminals
- Compact design
- Screw mounting

Low inrush current control, safety isolating and isolating transformer to IEC 61558-2-2; 2-4, DIN EN 61558-2-2; 2-4, VDE 0570 part 2-2; 2-4; 2-6, UL 506, CSA 22.2

C-UL-US, CSA 22.2 and ENEC 10 (VDE) Approvals

\*without C-UL-US Approval



## ST 160/69/23\*

**Control-, safety isolating- and isolating transformer**



### Input data

|                          |            |
|--------------------------|------------|
| Input voltage            | 690 V      |
| Tappings Input ( $\pm$ ) | 20 V       |
| Frequency range          | 50 - 60 Hz |

### Output data

|                                |        |
|--------------------------------|--------|
| Output voltage                 | 230 V  |
| No-load voltage (ca. x factor) | 1.09   |
| Efficiency                     | 87 %   |
| Power VDE (DB cos $\phi$ =1)   | 160 VA |
| Power VDE (KB cos $\phi$ =0.5) | 390 VA |
| Power UL                       | 160 VA |

### Standards and security

|                            |                        |
|----------------------------|------------------------|
| Approvals                  | C-UL-US, ENEC 10 (VDE) |
| Protection index           | IP 00                  |
| Safety class (prepared)    | I                      |
| Cooling method             | by self-cooling        |
| Ambient temperature max.   | 40 °C                  |
| Class of Insulation System | VDE=B, UL=105          |
| Test voltage               | min. 2500 V, 50 Hz     |

### Mechanical data

|               |                                    |
|---------------|------------------------------------|
| Type          | open type                          |
| Terminals     | screw-type terminals, PE 6,3 x 0,8 |
| Fixing method | Mounting brackets                  |
| Fixing screws | M5                                 |
| Weight        | 2.90 kg                            |

### Order numbers

|              |               |
|--------------|---------------|
| Order Number | ST 160/69/23* |
|--------------|---------------|

**BLOCK** Transformatoren-Elektronik GmbH  
 Max-Planck-Straße 36-46  
 27283 Verden  
 Germany  
 Phone +49 4231 678-0  
 Fax +49 4231 678-177