

### Main

|                                       |   |
|---------------------------------------|---|
| Range of product                      | Phaseo Economic   |
| Product or component type             | Safety and isolation transformer  |
| Rated power in VA                     | 320 VA  |
| Input voltage                         | 230 V AC phase to phase, terminal(s): L1-L2<br>230 V AC single phase, terminal(s): N-L1 |
| Output voltage                        | 24 V AC   |
| Secondary winding                     | Single  |
| Protective cover                      | Without   |
| Ambient air temperature for operation | -20...40 °C   |

### Complementary

|                                   |   |
|-----------------------------------|---|
| Input voltage limits              | 207...253 V   |
| Network frequency limits          | 47...63 Hz  |
| Input voltage tolerance           | +/- 15 V  |
| Efficiency                        | 89 %  |
| Power dissipation in W            | 39.6 W  |
| Voltage variation at nominal load | 5.08 % at 230 V   |
| Output sustained overvoltage      | 0,061 (no load, hot state)  |
| Voltage drop at rated load        | 6.5 %   |
| No load losses                    | 16.7 W  |
| Short-circuit voltage             | 0,062   |
| Output protection type            | Against overload, protection technology: external<br>Against overvoltage, protection technology: external<br>Against short-circuits, protection technology: external  |
| Connections - terminals           | Screw type terminals for input ground connection, connection capacity: 1 x 2.5...1 x 4 mm <sup>2</sup> AWG 14...AWG 11<br>Screw type terminals for input connection, connection capacity: 4 x 2.5...4 x 4 mm <sup>2</sup> AWG 14...AWG 11<br>Screw type terminals for output connection, connection capacity: 2 x 2.5...2 x 4 mm <sup>2</sup> AWG 14...AWG 11 |
| Marking                           | CE  |

|                             |  |
|-----------------------------|--|
| Fixing mode                 | By 4 screws, screw(s) $\varnothing = 5$ mm on horizontal panel with derating to 90 %<br>By 4 screws, screw(s) $\varnothing = 5$ mm on vertical panel, operating position: horizontal<br>By 4 screws, screw(s) $\varnothing = 5$ mm on vertical panel, operating position: vertical |
| Operating altitude          | 3000 m   |
| Electrical insulation class | Class B  |
| Product weight              | 4.08 kg  |

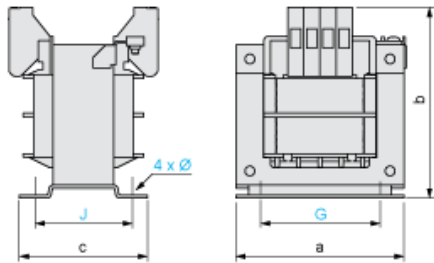
## Environment

|                                     |  |
|-------------------------------------|--|
| Product certifications              | EAC  |
| IP degree of protection             | IP20   |
| Environmental characteristic        | EMC conforming to EN 62041<br>Safety conforming to EN 61558-1<br>Safety conforming to EN 61558-2-6     |
| Ambient air temperature for storage | -40...80 °C  |
| Relative humidity                   | 0...95 % during operation  |
| Overvoltage category                | Class I conforming to VDE 0106-1   |
| Dielectric strength                 | 3200 V between input and ground<br>3200 V between output and ground<br>5100 V between input and output |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions



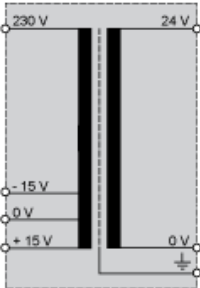
Dimensions in mm

| a   | b   | c  | G  | J  | Ø   |
|-----|-----|----|----|----|-----|
| 121 | 122 | 92 | 90 | 75 | 5.8 |

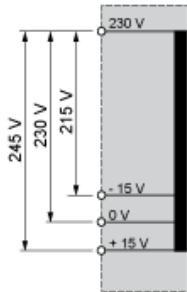
Dimensions in in.

| a    | b    | c    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 4.76 | 4.80 | 3.62 | 3.54 | 2.95 | 0.23 |

Internal Scheme



Primary Voltage Wiring



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Secondary Voltage Wiring

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