



### Main

|                                       |   |
|---------------------------------------|---|
| Commercial Status                     | Commercialised  |
| Range of product                      | Phaseo Optimum  |
| Product or component type             | Safety and isolation transformer  |
| Rated power in VA                     | 100 VA  |
| Input voltage                         | 400 V AC phase to phase, terminal(s): L1-L2<br>230 V AC single phase, terminal(s): N-L1 |
| Output voltage                        | 12 V AC   |
| Secondary winding                     | Single  |
| Protective cover                      | Without   |
| Ambient air temperature for operation | -20...50 °C   |

### Complementary

|                              |  |
|------------------------------|--|
| Input voltage limits         | 207...253 V<br>360...440 V   |
| Network frequency limits     | 47...63 Hz   |
| Input voltage tolerance      | +/- 15 V   |
| Efficiency                   | 86 %   |
| Power dissipation in W       | 16.3 W   |
| Output sustained overvoltage | 9 % (no load, hot state)   |
| Voltage drop at rated load   | 0.3 %  |
| No load losses               | 7.1 W  |
| Short-circuit voltage        | 8 %  |
| Output protection type       | Against short-circuits, protection technology: external<br>Against overvoltage, protection technology: external<br>Against overload, protection technology: external   |
| Connections - terminals      | Screw type terminals for output connection, connection capacity: 2 x 4 mm <sup>2</sup> AWG gauge11<br>Screw type terminals for input ground connection, connection capacity: 1 x 4 mm <sup>2</sup> AWG gauge11<br>Screw type terminals for input connection, connection capacity: 5 x 4 mm <sup>2</sup> AWG gauge11  |
| Marking                      | CE   |
| Fixing mode                  | By 4 screws, screw(s) Ø = 4.8 mm on vertical panel, operating position: vertical<br>By 4 screws, screw(s) Ø = 4.8 mm on vertical panel, operating position: horizontal<br>By 4 screws, screw(s) Ø = 4.8 mm on horizontal panel with derating to 90 %<br>By clips (with mounting plate) on 35 mm symmetrical DIN rail |
| Electrical insulation class  | Class B  |
| Product weight               | 2.1 kg   |

### Environment

|  |   |
|--|---|
| Product certifications                     | UR  |
| IP degree of protection                    | IP20 conforming to EN/IEC 60529   |
| Protective treatment                       | TC  |
| Ambient air temperature for storage        | -40...80 °C   |
| Class of protection against electric shock | Class I conforming to VDE 0106-1  |
| Dielectric strength                        | 4000 V between primary and secondary<br>2000 V between winding and ground |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

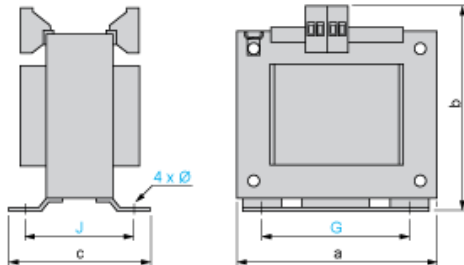
## Contractual warranty

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|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|

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Dimensions



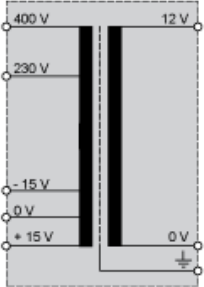
Dimensions in mm

| a  | b  | c  | G  | J    | Ø   |
|----|----|----|----|------|-----|
| 85 | 94 | 86 | 64 | 65.5 | 4.8 |

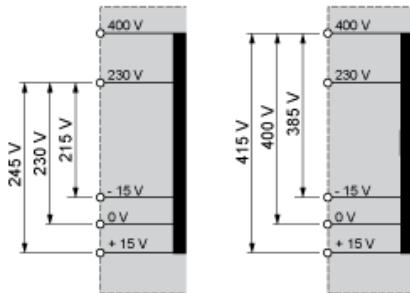
Dimensions in in.

| a    | b    | c    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 3.35 | 3.70 | 3.39 | 2.52 | 2.58 | 0.19 |

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

