

## Main

|                                       |                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Range of product                      | Modicon Transformer Economic                                                            |
| Product or component type             | Safety and isolation transformer                                                        |
| Rated power in VA                     | 40 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                         | 74 %                                                                                                                                                                                                                                                                                                                                                                                      |
| Power dissipation in W             | 14.1 W                                                                                                                                                                                                                                                                                                                                                                                    |
| Voltage variation at nominal load  | 0,135 at 230 V                                                                                                                                                                                                                                                                                                                                                                            |
| Output sustained overvoltage       | 0,155 (no load, hot state)                                                                                                                                                                                                                                                                                                                                                                |
| Maximum voltage drop at rated load | 15.8 %                                                                                                                                                                                                                                                                                                                                                                                    |
| No load losses                     | 3.8 W                                                                                                                                                                                                                                                                                                                                                                                     |
| Short-circuit voltage              | 16 %                                                                                                                                                                                                                                                                                                                                                                                      |
| Output protection type             | Against overload, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection<br>Against overvoltage, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection<br>Against short-circuits, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection |
| Connections - terminals            | For input connection: screw type terminals, connection capacity: 4 x 2.5...4 x 4 mm <sup>2</sup> AWG 14...AWG 11<br>For input ground connection: screw type terminals, connection capacity: 1 x 2.5...1 x 4 mm <sup>2</sup> AWG 14...AWG 11<br>For output connection: screw type terminals, connection capacity: 2 x 2.5...2 x 4 mm <sup>2</sup> AWG 14...AWG 11                          |
| Marking                            | CE                                                                                                                                                                                                                                                                                                                                                                                        |
| Fixing mode                        | By 4 screws diameter: 5 mm on vertical panel, operating position: vertical<br>By 4 screws diameter: 5 mm on horizontal panel with derating to 90 %, operating position: horizontal<br>By clips (with mounting plate) on 35 mm symmetrical DIN rail<br>By 4 screws diameter: 5 mm on vertical panel                                                                                        |
| Operating altitude                 | 3000 m                                                                                                                                                                                                                                                                                                                                                                                    |
| Electrical insulation class        | Class B                                                                                                                                                                                                                                                                                                                                                                                   |
| Width                              | 79.0 mm                                                                                                                                                                                                                                                                                                                                                                                   |
| Height                             | 70.0 mm                                                                                                                                                                                                                                                                                                                                                                                   |
| Depth                              | 91.0 mm                                                                                                                                                                                                                                                                                                                                                                                   |
| Net weight                         | 1.04 kg                                                                                                                                                                                                                                                                                                                                                                                   |

## Environment

|                                     |                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|
| Product certifications              | EAC[RETURN]DNV-GL                                                                                      |
| 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 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 18.000 cm |
| Package 1 Width              | 12.600 cm |
| Package 1 Length             | 14.800 cm |
| Package 1 Weight             | 1.243 kg  |
| Unit Type of Package 2       | P06       |
| Number of Units in Package 2 | 57        |
| Package 2 Height             | 75.000 cm |
| Package 2 Width              | 60.000 cm |
| Package 2 Length             | 80.000 cm |
| Package 2 Weight             | 83.053 kg |

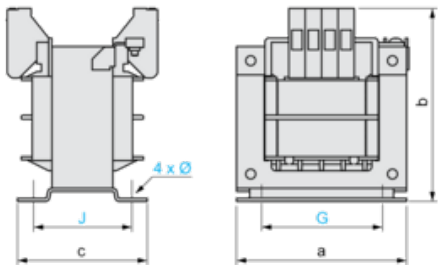
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |
| Circularity Profile        | No need of specific recycling operations <a href="#">Circularity Profile</a>                                                                                                                                                                                                                |
| PVC free                   | Yes                                                                                                                                                                                                                                                                                         |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Contractual warranty

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

Dimensions



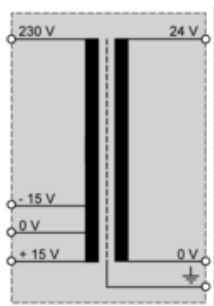
Dimensions in mm

| a  | b  | c  | G  | J  | Ø   |
|----|----|----|----|----|-----|
| 79 | 91 | 70 | 56 | 48 | 4.8 |

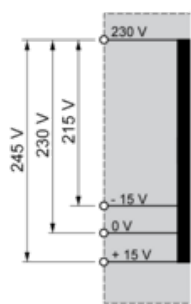
Dimensions in in.

| a    | b    | c    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 3.11 | 3.58 | 2.76 | 2.20 | 1.89 | 0.19 |

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

