



Main

|                                       |   |
|---------------------------------------|---|
| Range of product                      | Modicon Universal   |
| Product or component type             | Safety and isolation transformer  |
| Rated power in VA                     | 1600 VA   |
| Input voltage                         | 230 V AC single phase, terminal(s): N-L1<br>400 V AC phase to phase, terminal(s): L1-L2 |
| Output voltage                        | 115/230 V AC  |
| Secondary winding                     | Double  |
| Protective cover                      | Without   |
| Ambient air temperature for operation | -20...60 °C   |

Complementary

|                                    |   |
|------------------------------------|---|
| Input voltage limits               | 360...440 V<br>207...253 V  |
| Network frequency limits           | 47...63 Hz  |
| Input voltage tolerance            | +/- 15 V  |
| Efficiency                         | 94 %  |
| Power dissipation in W             | 102.1 W   |
| Voltage variation at nominal load  | 0,0286 at 400 V<br>0,0306 at 230 V  |
| Output sustained overvoltage       | 0,027 (no load, hot state)  |
| Maximum voltage drop at rated load | 3.14 %  |
| No load losses                     | 26.38 W   |
| Short-circuit voltage              | 0,035   |
| Output protection type             | Against overload, protection technology: external<br>Against overvoltage, protection technology: external<br>Against short-circuits, protection technology: external  |
| Connections - terminals            | For input connection: screw type terminals, connection capacity: 5 x 4 mm <sup>2</sup> AWG 11<br>For input ground connection: screw type terminals, connection capacity: 1 x 4 mm <sup>2</sup> AWG 11<br>For output connection: screw type terminals, connection capacity: 6 x 4 mm <sup>2</sup> AWG 11 |
| Marking                            | CE  |
| Fixing mode                        | By 4 screws diameter: 7 mm on vertical panel, operating position: horizontal<br>By 4 screws diameter: 7 mm on vertical panel, operating position: vertical<br>By 4 screws diameter: 7 mm on horizontal panel with derating to 90 %  |
| Output coupling                    | Parallel<br>Grounding of secondary<br>Series by internal jumper   |
| Operating altitude                 | 3000 m  |
| Electrical insulation class        | Class F   |
| Width                              | 174 mm  |
| Height                             | 162 mm  |
| Depth                              | 167 mm  |
| Net weight                         | 20 kg   |

## Environment

|                                     |  |
|-------------------------------------|--|
| Product certifications              | UR<br>EAC  |
| Standards                           | UL 506   |
| 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 Weight             | 22.018 kg |
| Package 1 Height             | 29.6 cm   |
| Package 1 width              | 39.4 cm   |
| Package 1 Length             | 39.8 cm   |
| Unit Type of Package 2       | P06       |
| Number of Units in Package 2 | 4         |
| Package 2 Weight             | 92.3 kg   |
| Package 2 Height             | 77 cm     |
| Package 2 width              | 60 cm     |
| Package 2 Length             | 80 cm     |

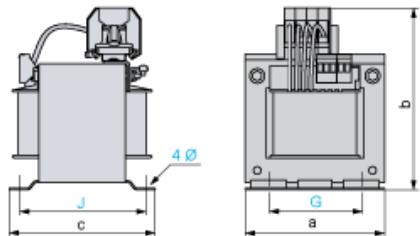
## Offer Sustainability

|                            |  |
|----------------------------|--|
| 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)  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes  |
| RoHS exemption information |  <a href="#">Yes</a>  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>   |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>  |
| PVC free                   | Yes  |

## Contractual warranty

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

Dimensions



Dimensions in mm

| a   | b   | c   | G   | J   | Ø |
|-----|-----|-----|-----|-----|---|
| 174 | 163 | 167 | 135 | 141 | 7 |

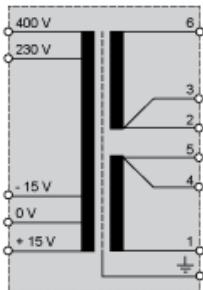
Dimensions in in.

| a    | b    | c    | G    | J    | Ø    |
|------|------|------|------|------|------|
| 6.85 | 6.42 | 6.57 | 5.31 | 5.55 | 0.27 |

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### Internal Scheme

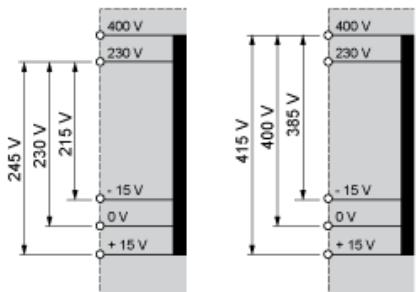
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### Primary Voltage Wiring

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### Secondary Voltage Wiring

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