



Main

| | |
|---------------------------------------|---|
| Range of product | Modicon Universal |
| Product or component type | Safety and isolation transformer |
| Rated power in VA | 160 VA |
| Input voltage | 230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2 |
| Output voltage | 115/230 V AC |
| Secondary winding | Double |
| Protective cover | With |
| Ambient air temperature for operation | -20...60 °C |

Complementary

| | |
|------------------------------------|---|
| Input voltage limits | 360...440 V 207...253 V |
| Network frequency limits | 47...63 Hz |
| Input voltage tolerance | +/- 15 V |
| Efficiency | 88 % |
| Power dissipation in W | 21.8 W |
| Voltage variation at nominal load | 0,033 at 400 V 0,0339 at 230 V |
| Output sustained overvoltage | 0,025 (no load, hot state) |
| Maximum voltage drop at rated load | 3.61 % |
| No load losses | 9.53 W |
| Short-circuit voltage | 0,067 |
| Output protection type | Against overload, protection technology: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external |
| Connections - terminals | For input connection: screw type terminals, connection capacity: 5 x 4 mm ² AWG 11 For input ground connection: screw type terminals, connection capacity: 1 x 4 mm ² AWG 11 For output connection: screw type terminals, connection capacity: 4 x 4 mm ² AWG 11 |
| Marking | CE |
| Fixing mode | By 4 screws diameter: 6.5 mm on vertical panel, operating position: horizontal By 4 screws diameter: 6.5 mm on vertical panel, operating position: vertical By clips on 35 x 15 mm symmetrical DIN rail By 4 screws diameter: 6.5 mm on horizontal panel with derating to 90 % |
| Output coupling | Parallel Series by internal jumper Grounding of secondary |
| Operating altitude | 3000 m |
| Electrical insulation class | Class B |
| Status LED | 1 LED (orange)input voltage |
| Width | 123 mm |
| Height | 128 mm |
| Depth | 153 mm |
| Net weight | 4.4 kg |

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.

Environment

| | |
|-------------------------------------|--|
| Product certifications | UR EAC |
| Standards | UL 506 |
| IP degree of protection | IP20 |
| Environmental characteristic | EMC conforming to EN 62041 Safety conforming to EN 61558-1 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 3200 V between output and ground 5100 V between input and output |

Packing Units

| | |
|------------------------------|------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 4.919 kg |
| Package 1 Height | 15.1 cm |
| Package 1 width | 26.5 cm |
| Package 1 Length | 27 cm |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 126.556 kg |
| Package 2 Height | 80 cm |
| Package 2 width | 80 cm |
| Package 2 Length | 60 cm |

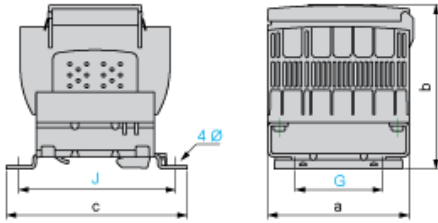
Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| PVC free | Yes |

Contractual warranty

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

Dimensions



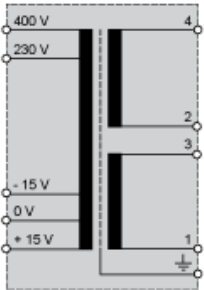
Dimensions in mm

| a | b | c | G | J | Ø |
|-----|-----|-----|----|-----|-----|
| 123 | 128 | 153 | 82 | 136 | 6.5 |

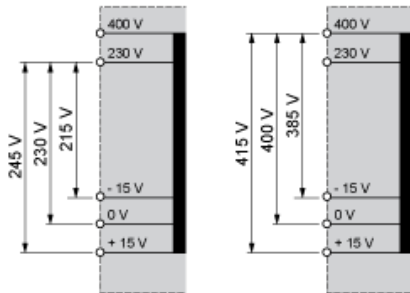
Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 4.84 | 5.04 | 6.02 | 3.23 | 5.35 | 0.25 |

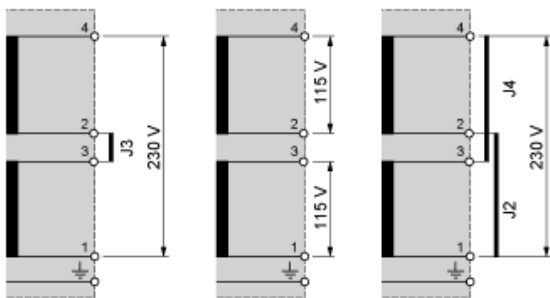
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, Internal Jumper
J3,
J4