



Main

| | |
|---------------------------------------|---|
| Range of product | Modicon Universal |
| Product or component type | Safety and isolation transformer |
| Rated power in VA | 2500 VA |
| Input voltage | 230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2 |
| Output voltage | 24/48 V AC |
| Secondary winding | Double |
| Protective cover | Without |
| 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 | 96 % |
| Power dissipation in W | 104.2 W |
| Voltage variation at nominal load | 0,0145 at 230 V 0,0212 at 400 V |
| Output sustained overvoltage | 0,005 (no load, hot state) |
| Maximum voltage drop at rated load | 2.29 % |
| No load losses | 40.5 W |
| Short-circuit voltage | 0,028 |
| 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 35 mm ² AWG 2 |
| Marking | CE |
| Fixing mode | By 4 screws diameter: 10 mm on vertical panel, operating position: horizontal By 4 screws diameter: 10 mm on vertical panel, operating position: vertical By 4 screws diameter: 10 mm on horizontal panel with derating to 90 % |
| Output coupling | Parallel Grounding of secondary Series by internal jumper |
| Operating altitude | 3000 m |
| Electrical insulation class | Class F |
| Width | 192 mm |
| Height | 178 mm |
| Depth | 180 mm |
| Net weight | 28 kg |

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 | 28.63 kg |
| Package 1 Height | 21 cm |
| Package 1 width | 27 cm |
| Package 1 Length | 31 cm |

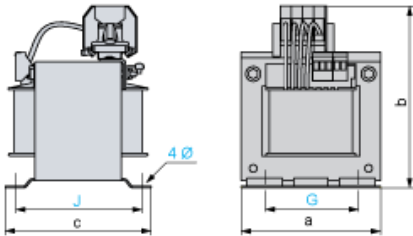
Offer Sustainability

| | |
|----------------------------|--|
| 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



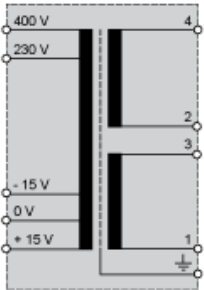
Dimensions in mm

| a | b | c | G | J | Ø |
|-----|-----|-----|-----|-----|----|
| 192 | 245 | 182 | 150 | 150 | 10 |

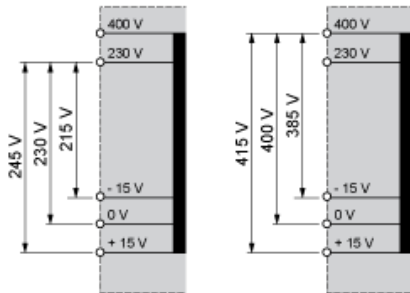
Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 7.56 | 9.65 | 7.17 | 5.90 | 5.90 | 0.39 |

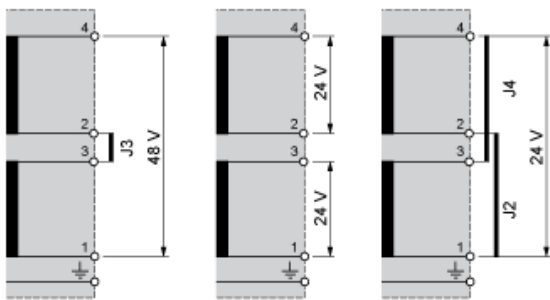
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, Internal Jumper
J3,
J4