



Main

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|---------------------------------------|---|
| Range of product | Modicon Universal |
| Product or component type | Safety and isolation transformer |
| Rated power in VA | 250 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 | 207...253 V 360...440 V |
| Network frequency limits | 47...63 Hz |
| Input voltage tolerance | +/- 15 V |
| Efficiency | 90 % |
| Power dissipation in W | 27.8 W |
| Voltage variation at nominal load | 0,0313 at 230 V 0,0313 at 400 V |
| Output sustained overvoltage | 0,018 (no load, hot state) |
| Maximum voltage drop at rated load | 3.37 % |
| No load losses | 13.68 W |
| Short-circuit voltage | 0,066 |
| 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 4 screws diameter: 6.5 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 B |
| Status LED | 1 LED (orange)input voltage |
| Width | 123 mm |
| Height | 142 mm |
| Depth | 153 mm |
| Net weight | 5.6 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 | 6.096 kg |
| Package 1 Height | 15 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 | 154.804 kg |
| Package 2 Height | 80 cm |
| Package 2 width | 80 cm |
| Package 2 Length | 60 cm |

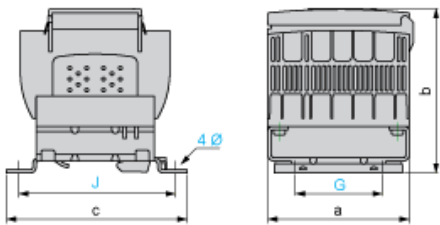
Offer Sustainability

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



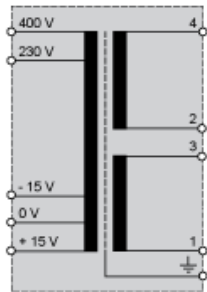
Dimensions in mm

| a | b | c | G | J | Ø |
|-----|-----|-----|----|-----|-----|
| 123 | 142 | 153 | 82 | 136 | 6.5 |

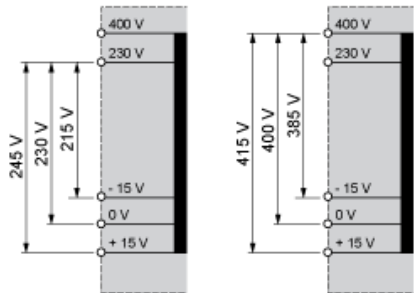
Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 4.84 | 5.59 | 6.02 | 3.23 | 5.35 | 0.25 |

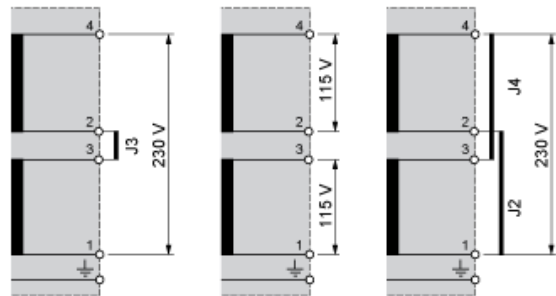
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



J2, Internal Jumper
J3,
J4