



Main

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|---------------------------------------|---|
| Range of product | Modicon Transformer Universal |
| Product or component type | Safety and isolation transformer |
| Rated power in VA | 630 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 | 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 | 90 % |
| Power dissipation in W | 70 W |
| Voltage variation at nominal load | 0,0358 at 230 V 0,0417 at 400 V |
| Output sustained overvoltage | 0,049 (no load, hot state) |
| Maximum voltage drop at rated load | 4.89 % |
| No load losses | 23.55 W |
| Short-circuit voltage | 0,048 |
| Output protection type | Against overload, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection Against overvoltage, protection technology: with additional protection fuses or circuit-breakers in Selection of Protection 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: 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: 6 x 4 mm ² AWG 11 |
| Marking | CE |
| Fixing mode | By 4 screws diameter: 7 mm on vertical panel, operating position: horizontal By 4 screws diameter: 7 mm on vertical panel, operating position: vertical By 4 screws diameter: 7 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 F |
| Width | 150.0 mm |
| Height | 113.0 mm |
| Depth | 145.0 mm |
| Net weight | 7.78 kg |

Environment

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|-------------------------------------|--|
| Product certifications | EAC UR DNV-GL |
| 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 61558-2-4 |
| 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

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|------------------------------|------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 26.500 cm |
| Package 1 Width | 19.000 cm |
| Package 1 Length | 19.500 cm |
| Package 1 Weight | 8.113 kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 21 |
| Package 2 Height | 75.000 cm |
| Package 2 Width | 60.000 cm |
| Package 2 Length | 80.000 cm |
| Package 2 Weight | 183.373 kg |

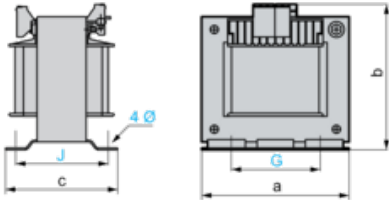
Offer Sustainability

| | |
|----------------------------|---|
| 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 |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| 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 www.P65Warnings.ca.gov |

Contractual warranty

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

Dimensions



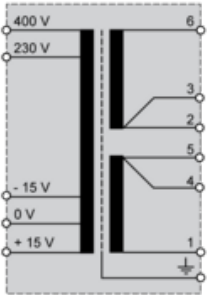
Dimensions in mm

| a | b | c | G | J | Ø |
|-----|-----|-----|-----|------|---|
| 150 | 145 | 113 | 122 | 90.6 | 7 |

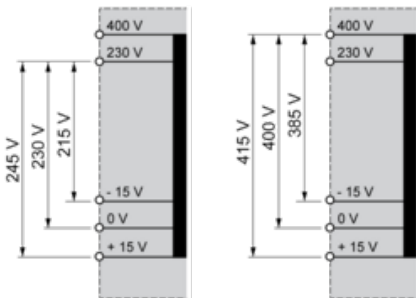
Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 5.91 | 5.71 | 4.45 | 4.80 | 3.57 | 0.27 |

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

