



Main

| | |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Range of product | Phaseo Optimum |
| Product or component type | Safety and isolation transformer |
| Rated power in VA | 100 VA |
| Input voltage | 230 V AC single phase, terminal(s): N-L1 400 V AC phase to phase, terminal(s): L1-L2 |
| Output voltage | 230 V AC |
| Secondary winding | Single |
| Protective cover | Without |
| Ambient air temperature for operation | -20...50 °C |

Complementary

| | |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage limits | 207...253 V 360...440 V |
| Network frequency limits | 47...63 Hz |
| Input voltage tolerance | +/- 15 V |
| Efficiency | 86 % |
| Power dissipation in W | 16.3 W |
| Output sustained overvoltage | 9 % (no load, hot state) |
| Voltage drop at rated load | 0.6 % |
| No load losses | 7.1 W |
| Short-circuit voltage | 0,0832 |
| Output protection type | Against overload, protection technology: external Against overvoltage, protection technology: external Against short-circuits, protection technology: external |
| Connections - terminals | Screw type terminals for input connection, connection capacity: 5 x 4 mm ² AWG 11 Screw type terminals for input ground connection, connection capacity: 1 x 4 mm ² AWG 11 Screw type terminals for output connection, connection capacity: 2 x 4 mm ² AWG 11 |
| Marking | CE |
| Fixing mode | By clips (with mounting plate) on 35 mm symmetrical DIN rail |

By 4 screws, screw(s) Ø = 4.8 mm on horizontal panel with derating to 90 %
By 4 screws, screw(s) Ø = 4.8 mm on vertical panel, operating position: horizontal
By 4 screws, screw(s) Ø = 4.8 mm on vertical panel, operating position: vertical

| | |
|-----------------------------|---------|
| Operating altitude | 3000 m |
| Electrical insulation class | Class B |
| Product weight | 2.1 kg |

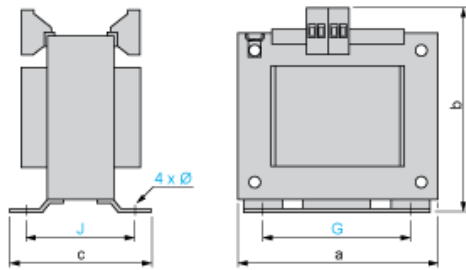
Environment

| | |
|-------------------------------------|----------------------------------------------------------------------------------------------------|
| Product certifications | EAC UR |
| 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 |
| Protective treatment | TC |
| Ambient air temperature for storage | -40...80 °C |
| Overvoltage category | Class I conforming to VDE 0106-1 |
| Dielectric strength | 2000 V between winding and ground 4000 V between primary and secondary |

Contractual warranty

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

Dimensions



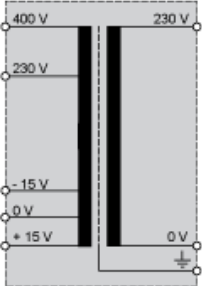
Dimensions in mm

| a | b | c | G | J | Ø |
|----|----|----|----|------|-----|
| 85 | 94 | 86 | 64 | 65.5 | 4.8 |

Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 3.35 | 3.70 | 3.39 | 2.52 | 2.58 | 0.19 |

Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring

