



Main

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| Range of product | Phaseo Optimum |
| Product or component type | Safety and isolation transformer |
| Rated power in VA | 1000 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 V AC |
| Secondary winding | Single |
| Protective cover | Without |

Complementary

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| Input voltage limits | 207...253 V 360...440 V |
| Network frequency limits | 47...63 Hz |
| Input voltage tolerance | +/- 15 V |
| Efficiency | 94 % |
| Power dissipation in W | 63.8 W |
| Output sustained overvoltage | 3 % (no load, hot state) |
| Voltage drop at rated load | 0.3 % |
| No load losses | 26.5 W |
| Short-circuit voltage | 2.93 % |
| 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 gauge11 Screw type terminals for input ground connection , connection capacity: 1 x 4 mm ² AWG gauge11 Screw type terminals for output connection , connection capacity: 2 x 10 mm ² AWG gauge6 |
| Marking | CE |
| Fixing mode | By 4 screws , screw(s) # = 7 mm on vertical panel , operating position: vertical By 4 screws , screw(s) # = 7 mm on vertical panel , operating position: horizontal By 4 screws , screw(s) # = 7 mm on horizontal panel with derating to 90 % |
| Electrical insulation class | Class B |
| Product weight | 14.3 kg |

Environment

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| Product certifications | UR |
| IP degree of protection | IP20 conforming to EN/IEC 60529 |
| Protective treatment | TC |
| Ambient air temperature for operation | -20...50 °C |
| Ambient air temperature for storage | -40...80 °C |
| Class of protection against electric shock | Class I conforming to VDE 0106-1 |
| Dielectric strength | 2000 V between winding and ground 4000 V between primary and secondary |
| RoHS EUR conformity date | 0623 |
| RoHS EUR status | Compliant |