

Product datasheet

Specifications



voltage transformer - 230..400 V - 1 x 230 V - 100 VA

ABL6TS10U

Training Objectives : Compliant

Main

| | |
|---------------------------------------|---|
| Range of product | Modicon Transformer Optimized |
| 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) |
| Maximum 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 | 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: 2 x 4 mm ² AWG 11 |
| Marking | CE |
| Fixing mode | By 4 screws diameter: 4.8 mm on vertical panel, operating position: horizontal By 4 screws diameter: 4.8 mm on vertical panel, operating position: vertical By clips (with mounting plate) on 35 mm symmetrical DIN rail By 4 screws diameter: 4.8 mm on horizontal panel with derating to 90 % |
| Operating altitude | 3000 m |

| | |
|-----------------------------|---------|
| Electrical insulation class | Class B |
| Width | 84.0 mm |
| Height | 86.0 mm |
| Depth | 94.0 mm |
| Net weight | 2.05 kg |

Environment

| | |
|-------------------------------------|--|
| Product certifications | UR EAC 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 |
| 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 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 2.148 kg |
| Package 1 Height | 12.5 cm |
| Package 1 width | 15 cm |
| Package 1 Length | 18.5 cm |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 60 |
| Package 2 Weight | 141.88 kg |
| Package 2 Height | 73.5 cm |
| Package 2 width | 60 cm |
| Package 2 Length | 80 cm |

Offer Sustainability

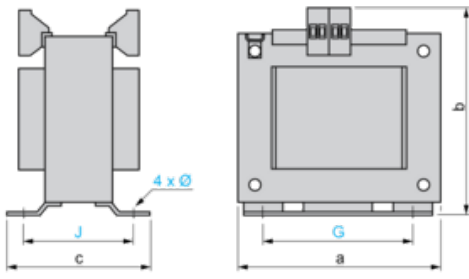
| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| PVC free | Yes |

Contractual warranty

Warranty

18 months

Dimensions



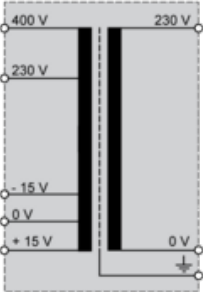
Dimensions in mm

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

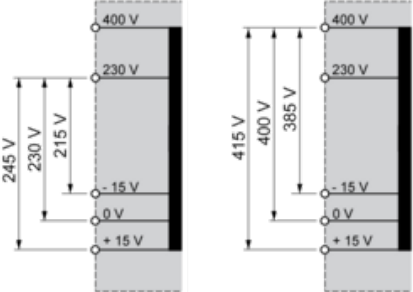
Dimensions in in.

| 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

