

Product Datasheet

Characteristic

ABL6TS25U

voltage transformer - 230..400 V - 1 x
230 V - 250 VA



Main

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|---------------------------------------|---|
| Range of product | Modicon Transformer Optimized |
| 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 | 230 V AC |
| Secondary winding | Single |
| Protective cover | Without |
| Ambient air temperature for operation | -20...50 °C |

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 | 90 % |
| Power dissipation in W | 27.8 W |
| Output sustained overvoltage | 5 % (no load, hot state) |
| Maximum voltage drop at rated load | 0.7 % |
| No load losses | 12.5 W |
| Short-circuit voltage | 0,0585 |
| 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: 2 x 4 mm ² AWG 11 |
| marking | CE |
| Fixing mode | By 4 screws diameter: 5.8 mm on vertical panel, operating position: horizontal By 4 screws diameter: 5.8 mm on vertical panel, operating position: |

| | |
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| | vertical By 4 screws diameter: 5.8 mm on horizontal panel with derating to 90 % |
| Operating altitude | 3000 m |
| Electrical insulation class | Class B |
| Width | 120.0 mm |
| Height | 93.0 mm |
| Depth | 122.0 mm |
| net weight | 4.09 kg |

Environment

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| 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

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|------------------------------|------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 21.200 cm |
| Package 1 Width | 21.200 cm |
| Package 1 Length | 21.800 cm |
| Package 1 Weight | 4.290 kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 30 |
| Package 2 Height | 75.000 cm |
| Package 2 Width | 60.000 cm |
| Package 2 Length | 80.000 cm |
| Package 2 Weight | 141.700 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | X |
| RoHS exemption information | Yes |
| Environmental Disclosure | ENVPEP121202EN |
| Circularity Profile | N/A |
| PVC free | Yes |