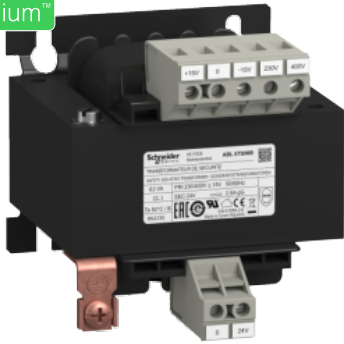


Product data sheet

Specifications



voltage transformer - 230..400 V - 1 x 24 V - 63 VA

ABL6TS06B

! To be discontinued on: 01 June 2023

! To be end-of-service on: 01 June 2025

! To be discontinued

Main

| | |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Range of product | Modicon Transformer Optimized |
| Product or component type | Safety and isolation transformer |
| Rated power in VA | 63 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 |
| Ambient air temperature for operation | -20...50 °C |

Complementary

| | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage limits | 360...440 V 207...253 V |
| Network frequency limits | 47...63 Hz |
| Input voltage tolerance | +/- 15 V |
| Efficiency | 84 % |
| Power dissipation in W | 12 W |
| Output sustained overvoltage | 9 % (no load, hot state) |
| Maximum voltage drop at rated load | 0.2 % |
| No load losses | 5.3 W |
| Short-circuit voltage | 0,0862 |
| 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: 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 | 78.0 mm |
| Height | 79.0 mm |
| Depth | 91.0 mm |
| Net weight | 1.46 kg |

Environment

| | |
|--------------------------------------------|----------------------------------------------------------------------------------------------------|
| 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 61558-2-6 |
| 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 |

Packing Units

| | |
|-------------------------------------|------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 18.600 cm |
| Package 1 Width | 12.600 cm |
| Package 1 Length | 15.000 cm |
| Package 1 Weight | 1.655 kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 60 |
| Package 2 Height | 75.000 cm |
| Package 2 Width | 60.000 cm |
| Package 2 Length | 80.000 cm |
| Package 2 Weight | 111.800 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 |

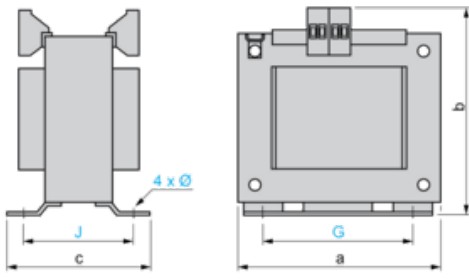
| | |
|-----------------|-----|
| PVC free | Yes |
|-----------------|-----|

| | |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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

Dimensions



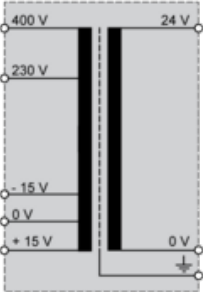
Dimensions in mm

| a | b | c | G | J | Ø |
|----|----|----|----|----|-----|
| 78 | 91 | 79 | 56 | 56 | 4.8 |

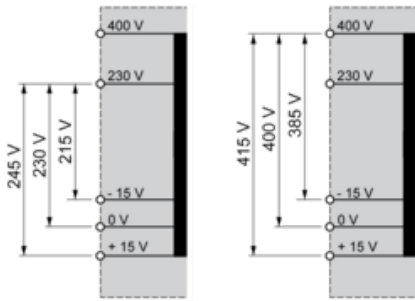
Dimensions in in.

| a | b | c | G | J | Ø |
|------|------|------|------|------|------|
| 3.07 | 3.58 | 3.11 | 2.20 | 2.20 | 0.19 |

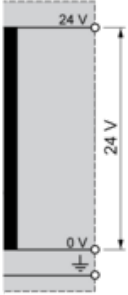
Internal Scheme



Primary Voltage Wiring



Secondary Voltage Wiring



Recommended replacement(s)