

ABB 00LTD03 Line Transformer datasheet

<http://www.manuallib.com/abb/00ltd03-line-transformer-datasheet.html>

The line transformer 00LTD03 is designed for FSK channels with 9.6kBd and to isolate and protect the RTU500 series Modems 23WT24 and 560FSM11 from the telecontrol line. Moreover it can also be connected to other data terminal equipments. It operates at a frequency range from 2 kHz to 50 kHz and is optimized for line impedances of 150 Ohms which applies to above mentioned modems.

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RTU500 series

Data Sheet

DSL Line Transformer 500LTD03

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Line Transformer 500LTD03

Photo Not Available



In DSL modem configurations one line transformer is required at both ends of the line.

Characteristics

The line transformer withstands an isolation voltage of:

- > 10 kV, 50Hz, 10sec

Application

The line transformer 500LTD03 is designed for DSL channels with up to 7168kbps and to isolate and protect the RTU500 DSL Modems 560NMD01, 500NMD02, 560NMD11, 560NMS24 and 560NMS34 from the telecontrol line. Moreover it can also be connected to other data terminal equipments.

It operates at a frequency range from 1 kHz to 1 MHz and is optimized for line impedances of 100 Ohms which applies to above mentioned modems.

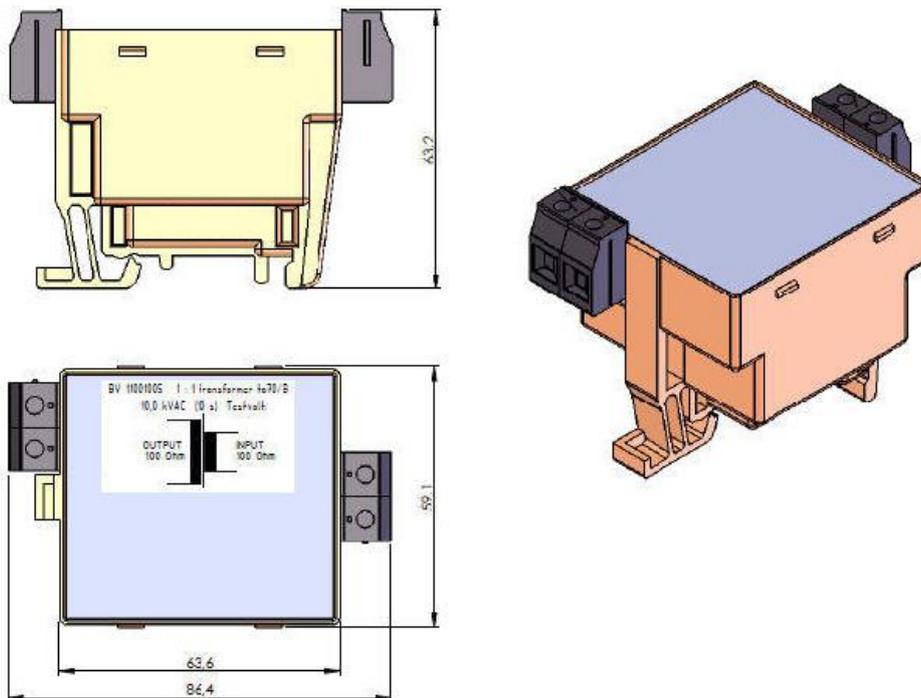


Figure 1: Line transformer dimensions

RTU500 series

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Technical Data

In addition to the RTU500 series general data, the following applies:

General Data

Working frequencies	1 kHz ... 1 MHz
Ratio	1 : 1
Impedance	Transparent, optimized for 100 : 100 Ω
Insulation test voltage	> 10 kV, 50Hz, 10s
Insulation Resistance	10 000 M Ω at 500V between windings and the case

Power Supply

Supply	Passive, non powered
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Mechanical Layout

Dimensions	H x W x D 86.4 x 59.1 x 63.2 mm
Weight	approx. 0.300 kg
Mounting	35 mm DIN rail

Connection Type

Connector	Input: 2 x terminal connection 2.5mm Output: 2 x terminal connection 2.5mm
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Environmental Conditions

Temperature	0 ... 70 °C
Relative humidity	5 ... 95 % non condensing

Standards

EN 61558 EU 2002/95/EG-RoHS

Ordering information

500LTD03 R0003 Line Transformer for DSL	1KGT 026600 R0003
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RTU500 series

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