

**Introduction:**

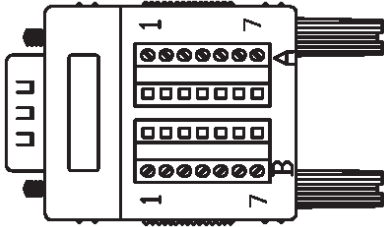
This Third Part PLC Adapter is connected via a serial interface (COM) to XBT GT unit, and converts this interface to an RS422 terminal block.

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**Package Contents**

The following items are included in the Third Part PLC Adapter package. Before using the Third Part PLC Adapter, please confirm that all items shown here are present.

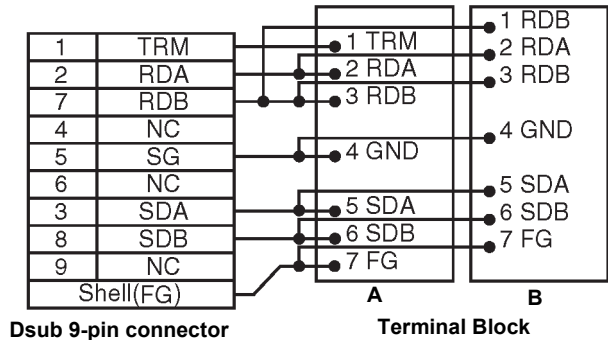
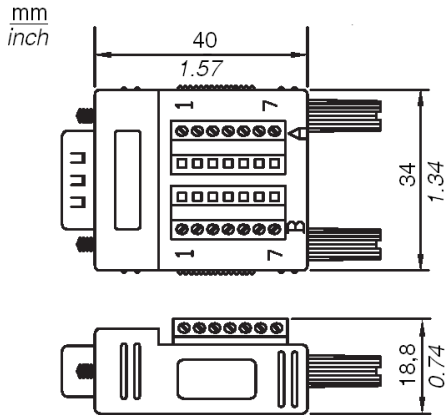
- Third Part PLC Adapter (XBT ZG949).



- Installation Guide.

This unit has been carefully packed with special attention to quality. However, should you find any of the items shown here to be damaged or missing, please immediately contact your XBT ZG949 Schneider-Electric local distributor.

**Dimensions and Cable diagram**



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## **WARNING**

### **RISKS OF ELECTRIC SHOCK**

- DO NOT disassemble or remodel this adapter in any way. Doing so can result in electric shock or fire.
- DO NOT use this adapter in areas where flammable gases are present. Doing so can result in explosion.
- DO NOT allow water to enter to the connector and DO NOT touch the connector with wet hands. Doing so can result in electric shock.

**Failure to follow this instruction can result in death, serious injury, or equipment damage.**

## **CAUTION**

### **RISKS OF EQUIPMENT DAMAGE**

- DO NOT connect a cable to the Third Part PLC Adapter while it is attached to XBT GT unit. Doing so can damage the Third Part PLC Adapter.
- When attaching a cable that uses a lay wire, be sure to twist the cable core's wires. Failure to do so can lead to a short circuit if wire strands contact another strand or a nearby electrode.

**Failure to follow this instruction can result in injury or equipment damage.**

**Note:** Do not connect or disconnect the Terminal Block Conversion Adapter during data transfer. Doing so may cause a data communication error.

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## **Wiring**

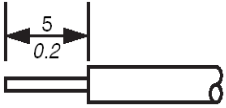
The following information explains the communication cable's wiring method and usage cautions.

### **Pin Terminal Specification using Crimp Terminals**

Use the following recommended items:

- Driver: SZF 0-0,4X2,5.
  - Pin terminal: A 0,34-7 and A 0,5-6.
  - Crimping Tool: CRIMPFOX ZA 3
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**Direct Connection Specification**

Wire Type	Simple wire or Lay wire
Cable dimensions (cross section)	Simple wire: 0.14mm <sup>2</sup> to 1.5mm <sup>2</sup> Lay wire: 0.14mm <sup>2</sup> to 1.0mm <sup>2</sup> Cable size: 26AWG to 16AWG
Strip Length	$\frac{\text{mm}}{\text{inch}}$ 

**Note:**

- When attaching terminal screws, make sure to use a standard (flatblade: 0.4x 2.5) screwdriver.
- The appropriate torque is 0.22N.m (0.05lb-in.) to 0.25N.m (0.06lb-in.).
- Do not solder the cable's joined section.
- To prevent Terminal Block Conversion Adapter cables from being pulled out, be sure to bundle the cables externally.
- The XBT GT unit's serial interface (COM) has a termination resistance, and when this one is needed, shorting the terminal block adaptor's TRM and RDB wires inserts 100 Ω of resistance between RDA

**XBT GT (COM)**

**Third Part PLC Adapter**

