CONNECTOR CONVERSION BOX
GT16H-CNB-37S
User’s Manual

1. Features

The Connector Conversion Box replaces the GOT’s external terminal block connector to the power supply unit’s PLCC connector and terminal block, while enabling users to operate the Handy GOT outside the enclosure. The connector conversion box does not support serial communication only in response to handy GOT and Ethernet communication between the PLC.

2. Part Names

The names and the function of each part of the Connector Conversion Box are described below.

3. Specifications

General Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Unit: mm (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating ambient temperature</td>
<td>−10 to +40</td>
</tr>
<tr>
<td>Operating ambient humidity</td>
<td>5 to 95%</td>
</tr>
<tr>
<td>Vibration resistance</td>
<td>ISO 22747-1</td>
</tr>
<tr>
<td>Operating atmosphere</td>
<td>ISO 7721-1</td>
</tr>
<tr>
<td>External dimensions</td>
<td>L: 156.0 (6.13)</td>
</tr>
</tbody>
</table>

4. Installation

The Connector Conversion Box can be installed on the panel face directly or with mounting bracket offered as an accessory.

4.1 Direct mounting on the panel face

1) Place the Connector Conversion Box on the panel face so that the mounting holes line up with the panel face. Dull strippings out of the following line on the panel face.

2) Mounting on the panel face

After mounting the Connector Conversion Box on the panel face, fit it with M3 screws (prepared by user).

5. Cautions for use

For the entire area with the contact type is used when the Handy GOT is configured to perform multiple functions, the weekly cleaning (20% to 30%) of the unit, the weekly cleaning of the panel face, and the weekly cleaning of the panel face to prevent short circuit or malfunction due to the damage of the screws or unit.

Be sure to follow all the above warnings and precautions.

© 2019 MITSUBISHI ELECTRIC CORPORATION

MITSUBISHI ELECTRIC CORPORATION

2. Part Name

The names and the functions of each part of the Connector Conversion Box are described below.

![Diagram of Connector Conversion Box]

3. Specifications

- **General Specifications**
  - Operating ambient temperature: -10°C to 50°C
  - Operating ambient humidity: 85% maximum (non-condensing)
  - Vibration resistance: 0.2 G (5 Hz to 200 Hz)
  - shock resistance: 7.5 G (5 Hz to 200 Hz)

4. Installation

The Connector Conversion Box may be installed on the panel face directly or by mounting brackets offered as an accessory.

**4-1 Direct mounting on the panel face**

1. Mount the Connector Conversion Box on the panel face using the 4 M3 screws.
2. Install the mounting brackets as illustrated in the following figure on the panel face.

**4-2 Mounting with a mounting bracket**

1. Attaching a mounting bracket
   - When the mounting bracket is attached to the Connector Conversion Box, tighten the mounting screws with the specified torque.

3. Specifications

- **Bundled Items**
  - Panel face: GT14 Handy GOT
  - Panel face: GT16 Handy GOT
  - Panel face: GT2505HS-VTBD

4. Safety Precautions

- **WARNING**
  - May cause electrical shock if touched while operating.

5. Caution for use

- **WARNING**
  - Incorrect handling may cause hazardous situations.

**Associated Manuals**

- **GT2505HS-VTBD User’s Manual** (Hereafter, referred to as the User’s Manual)
- **GT2505HS-VTBD Quick Start Guide**
**Important Notice:**

This manual is intended for the correct use of this product. Please read this manual carefully and pay full attention to safety to handle the product correctly.

### General Specifications

- **Manual Number:** JY997D50202 (1D7MJ5)
- **Product Name:** GT16H-CNB-37S

### Unit

<table>
<thead>
<tr>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
</tbody>
</table>

### Specification

- **Specifications**
  - **Display Resolution:** 320 x 320 pixels
  - **Screen Size:** 16" x 12"
  - **Color:** 16-bit color
  - **Keyboard:** 32 keys
  - **Dimensions:** 415 x 320 x 65 mm
  - **Weight:** 1.6 kg

### Installation

1. **Power Supply**
   - Connect the power supply to the power input terminal.
   - Connect the power supply to the power input terminal.

2. **Mounting**
   - **Front Panel**
     - Connect the external cable to the front panel.
   - **Rear Panel**
     - Connect the external cable to the rear panel.

3. **Application**
   - **GT2000**
     - Connect the external cable to the GT2000.
   - **GT14 HandY GOT**
     - Connect the external cable to the GT14 HandY GOT.
   - **GT11H-C**
     - Connect the external cable to the GT11H-C.

4. **Certification**
   - **UL, CUL standards**
     - UL, CUL standards are implemented in the following combinations:
       - GT2000 Series
       - GT14 HandY GOT
   - **Certification of UL, CUL standards**
     - GT2000 Series
       - UL Listed (UL508A, UL61010-1, UL61010-2-10)
       - CUL Listed (UL508A, CUL61010-1, CUL61010-2-10)
     - GT14 HandY GOT
       - UL Listed (UL508A, UL61010-1, UL61010-2-10)
       - CUL Listed (UL508A, CUL61010-1, CUL61010-2-10)

5. **Certification of UL, CUL standards**
   - **UL, CUL standards**
     - GT2000 Series
       - UL Listed (UL508A, UL61010-1, UL61010-2-10)
       - CUL Listed (UL508A, CUL61010-1, CUL61010-2-10)
     - GT14 HandY GOT
       - UL Listed (UL508A, UL61010-1, UL61010-2-10)
       - CUL Listed (UL508A, CUL61010-1, CUL61010-2-10)

### Related Manuals

- User's Manual (This manual)
- SH-081194ENG

---

**For safe use:**

- This product has been manufactured as a general-purpose product for general industrial use. When using this product, suitable safety measures, such as protective circuits, are required.
- Before using the product for specific purposes such as reactor power, electric power generation, or passenger conveyer systems, consult with Mitsubishi Electric.
- This product has been manufactured in accordance with the CE mark directive of the European Union.