MODEL	Q6HLD-R2-U-JE
MODEL CODE	13JT52
IB(NA)-0800181-C	

Q6HLD-R2 Type RS-232 Connector Disconnection Prevention Holder User's Manual

1. Overview

This manual explains the Q6HLD-R2 type RS-232 connector disconnection prevention holder (hereafter abbreviated as Q6HLD-R2).

The Q6HLD-R2 is used in a system where the module usually communicates with a device, such as a HMI (Human machine interface), connected using an RS-232 cable. The Q6HLD-R2 prevents communication errors due to disconnection of the RS-232 connector.

2. Applicable Products

The Q6HLD-R2 can prevent disconnection of the RS-232 cable by being attached to the MELSEC-Q series CPU module or MELSEC-L series RS-232 adapter.
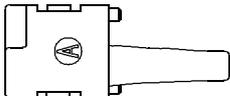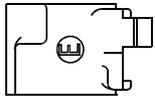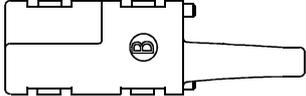
Note that the Q6HLD-R2 cannot be attached to the following CPU modules whose first 4 digits of the serial number is "0305" or earlier.

• Q02CPU, Q02HCPU, Q06HCPU, Q12HCPU, Q25HCPU, Q02CPU-A, Q02HCPU-A, and Q06HCPU-A

3. Included Parts

The Q6HLD-R2 comes with the QC30R2 holder (manufactured by Mitsubishi Electric Corporation), the CH-M096234-*** holder (manufactured by CHUGAI Co., Ltd.), and the holder attached to the QCPU.

Use the holder corresponding to the cable to be connected to the QCPU.

RS-232 cable model	Cable side holder		Holder attached to the QCPU
QC30R2	Holder A ⒶA	+ Holder C ⒸC	Holder E ⒺE
CH-M096234-***	Holder B ⒷB	+ Holder D ⒹD	

Hereafter, holders are referred to as Holder A to Holder E corresponding to symbols on the holders.

4. Precautions

The Q6HLD-R2 can prevent disconnection of the RS-232 connector attached to the module in a system where the RS-232 cable connecting the module and a device is wired inside the control panel.

The Q6HLD-R2 cannot be attached to the module in a system where the RS-232 cable is wired outside the control panel or is pulled out from the control panel.

5. How to Fix RS-232 Connector

Follow the instructions shown below to fix the RS-232 connector using the Q6HLD-R2. (This section explains how to fix the connector with an example using the Q02HCPU.)

Remove the QCPU from the main base unit before performing the following procedure.
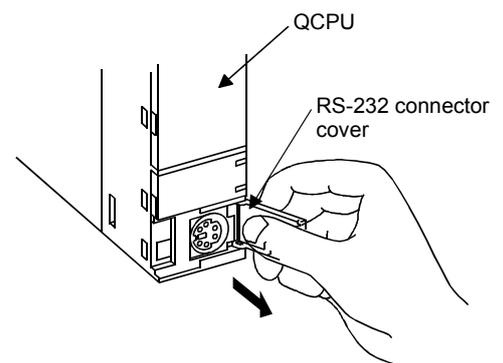
For the MELSEC-L series, remove modules on the right and left side of the module where the Q6HLD-R2 is to be attached.

(1) Removing the RS-232 connector cover

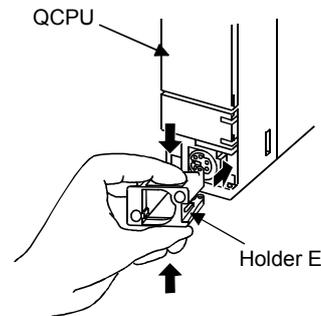Hold the QCPU RS-232 connector cover on the side with the hinge.

Remove the connector cover from the QCPU.

(For the MELSEC-L series RS-232 adapter, no RS-232 connector cover is available.)

(2) Attaching the Holder E to the QCPU
While pushing down the hinge side of Holder E, set the holder in the QCPU, then push it into the QCPU.
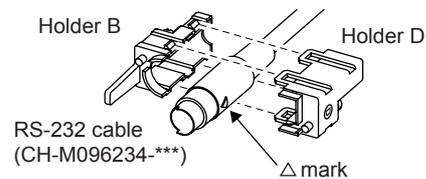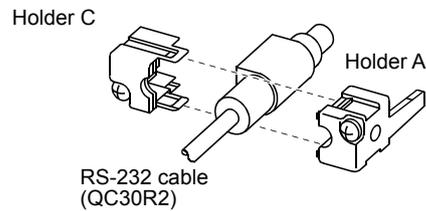
QCPU

Holder E

(3) Attaching Holder A and C or Holder B and D to the RS-232 cable
Select the holder corresponding to the RS-232 cable connected to the QCPU, and attach the holder to the cable.
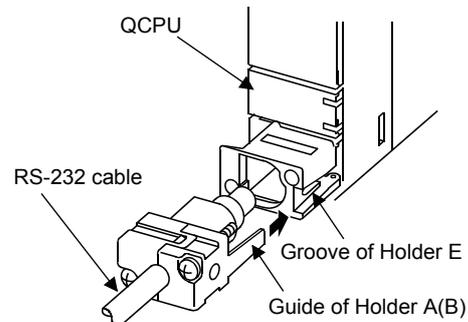The connector part of the CH-M096234-*** is a cylindrical.
Attach the Holder B and D to the connector part so that the △ mark on the connector faces the inside of the Holder D as shown to the right.
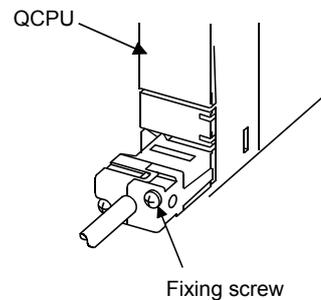
Holder C

Holder A

RS-232 cable
(QC30R2)

Holder B

Holder D

RS-232 cable
(CH-M096234-***)

△ mark

(4) Connecting the cable
Fully insert the guide of Holder A (B) into the groove of Holder E.

QCPU

RS-232 cable

Groove of Holder E

Guide of Holder A(B)

(5) Fixing Holder A and C or Holder B and D
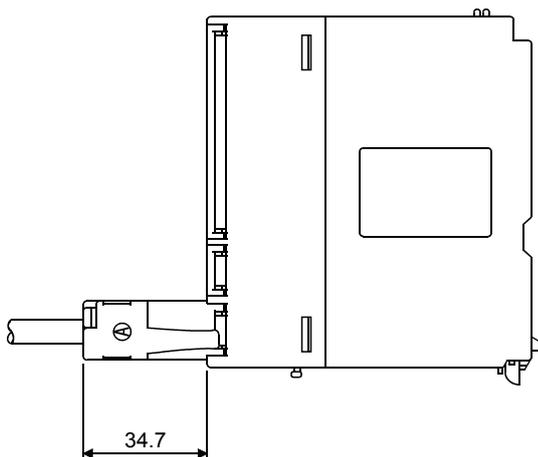To fix the Holder A and C or Holder B and D to the Holder E, tighten the fixing screw of the holder.
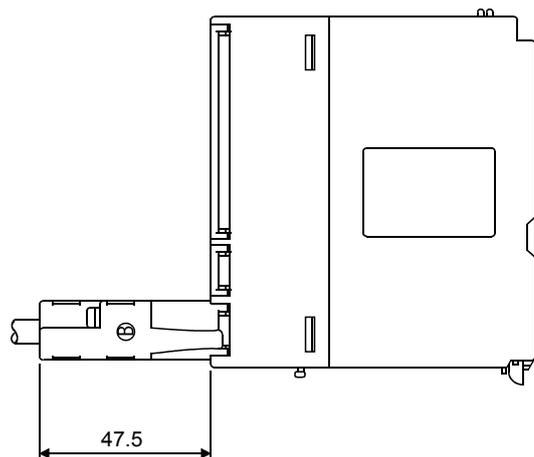• Tightening torque: 0.42 to 0.58N•m

QCPU

Fixing screw

6. External Dimensions

The following diagrams show dimensions with the Q6HLD-R2 being attached.

Using Holder A and C

Using Holder B and D

34.7

47.5

Unit: mm