

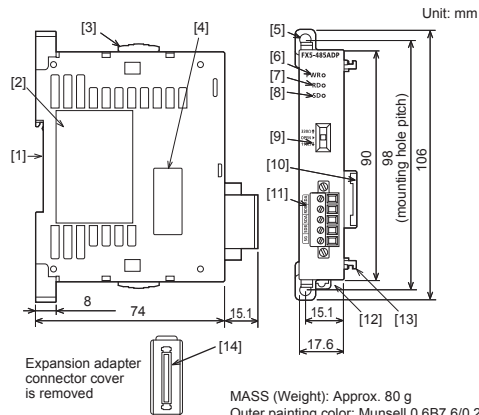
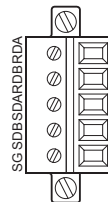
Hardware Manual



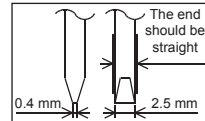
Manual Number	JY997D53801
Revision	L
Date	October 2025

Manual name	Manual No.	Description
MELSEC iQ-F FX5S/ FX5UJ/FX5U/FX5UC User's Manual (Hardware)	SH-082452ENG	Describes the details of hardware of the CPU module, including performance specifications, wiring, installation, and maintenance.
MELSEC iQ-F FX5 User's Manual (Communication)	SH-082625ENG	Describes the communication function of the built-in CPU module and the Ethernet module.

Product	FX5-485ADP communication adapter
Included Items	Hardware manual (This manual)



Signal name	Function
RDA (RXD+)	Receive data
RDB (RXD-)	
SDA (TXD+)	Send data
SDB (TXD-)	
SG (GND)	Signal ground



INSTALLATION PRECAUTIONS

INSTALLATION PRECAUTIONS

STARTUP AND MAINTENANCE PRECAUTIONS

DISPOSAL PRECAUTIONS CAUTION

TRANSPORTATION PRECAUTIONS

- The product is a precision instrument. During transportation, avoid impacts larger than those specified in the general specifications by using dedicated packaging boxes and shock-absorbing pallets. Failure to do so may cause failures in the product. After transportation, verify operation of the product and check for damage of the mounting part, etc.

Model name	Applicability
FX5S CPU module	From first production
FX5UJ CPU module	From first production
FX5U CPU module	From first production
FX5UC CPU module	From first production

Item	Specification	
Dielectric withstand voltage	500 V AC for one minute	Between all external terminals and ground
Insulation resistance	10 M Ω or higher by 500 V DC insulation resistance tester	terminal of CP module

Item	Specification
Rated voltage ^{*1}	5 V DC 24 V DC
Current consumption ^{*1}	20 mA / 5 V DC 30 mA / 24 V DC

Item	Specification
Transmission standard	Conforming to RS-485/RS-422
Maximum transmission distance ¹	1200 m
Connection method	European terminal block
Terminal resistor	Built-in (OPEN/110 Ω/330 Ω)
Insulation	Photo-coupler isolation (Between communication line and CPU module)
Communication method ²	Half-duplex/Full-duplex
Baud rate ²	300/600/1200/2400/4800/9600/19200/38400 57600/115200 (bps)

 For safe use

- This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated in a device or system used in purposes related to human life.
- Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi Electric.
- This product has been manufactured under strict quality control. However when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.