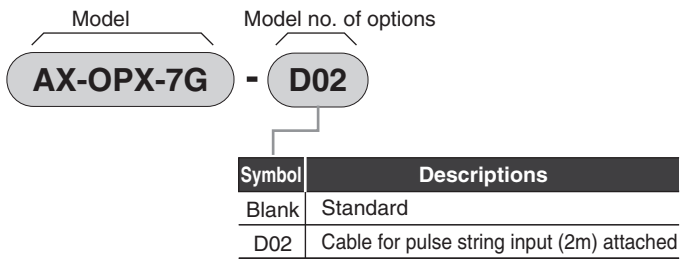# Serial transmission slave unit
CC-Link

AX-OPX-7G

● Common with GS/GH/S/H type driver

Features

● Connect the direct drive actuator to a Mitsubishi Electric PLC MELSEC-A or QnA Series field network CC-Link (ver. 1.10) by installing it on the driver's I/O connector (CN3).
● Major reductions in wiring
● I/O point
  16 inputs, 14 outputs
● Whether to hold output if a communication error occurs or to turn all points off is selected with the HLD/CLR switch.
● Five transmission speeds are selectable.
● An external emergency stop input (b contact) is connected serially to the emergency stop signal with serial communication.

Common specifications

Descriptions	Specifications
Slave unit power	24 VDC ±10% and 100mA or less
AX driver power	24 VDC +10%, -5% or 450mA or less
Working ambient temperature range	5 to 50°C
Working ambient humidity range	30 to 85% RH (with no dew condensation)
Atmosphere	Without corrosive gas and dust
Vibration resistance	4.9m/s^2
Weight	0.15kg

How to order

Model	Model no. of options
AX-OPX-7G	- D02

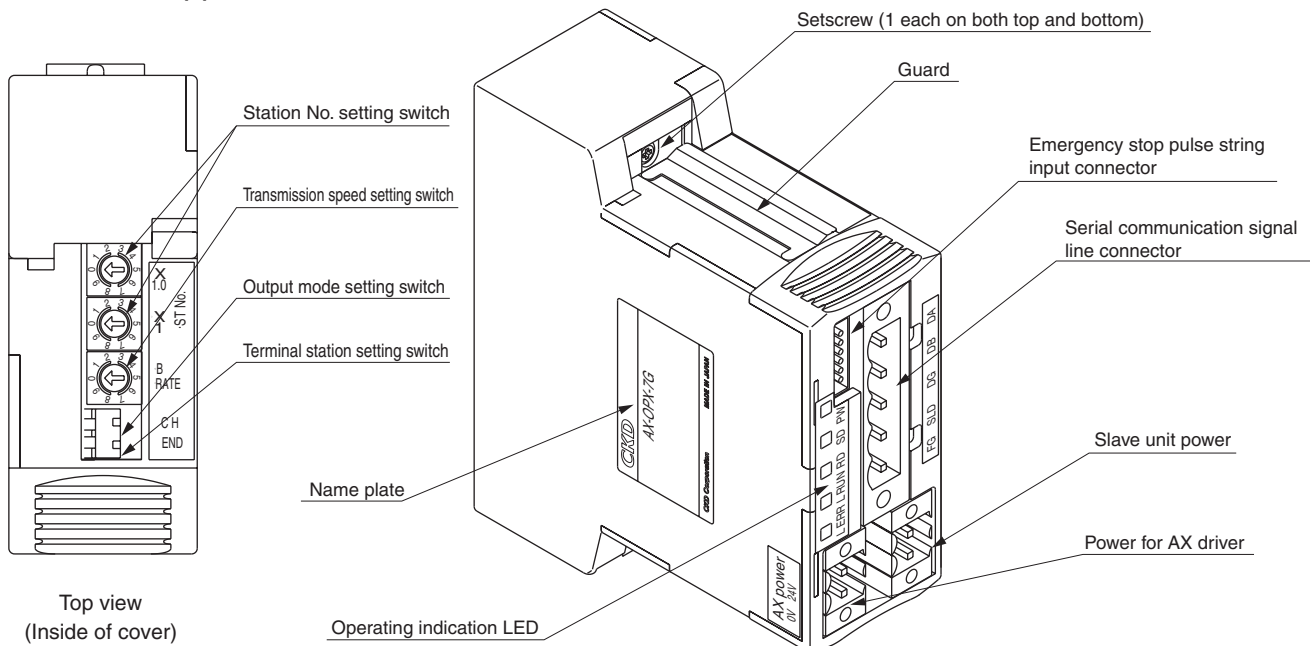| Symbol	Descriptions
Blank	Standard
D02	Cable for pulse string input (2m) attached

Accessory (plug)

1) BLZ5.08/5FAU (Weidmüller) 1 pc.
2) BL3.5/2F (Weidmüller) 2 pcs.
3) ZHR-6 (JST MFG CO. LTD.) 1 pc.

Note: When using emergency stop input from an external source, or when operating with a pulse string from an external pulse generator, designated the option model No.

Performance specifications

Descriptions	Specifications
Communication subject	CC-Link system (Ver1.10) compliant
Transmission speed	156K/625K/2.5M/5M/10M bps (select with a switch.)
Output No.	14 points
Input No.	16 points
Other inputs	Pulse string, emergency stop
Output insulation type	Photo coupler insulation
Operating indication	LED (only display of slave unit power and communication state)
Occupied unit No.	1 station (remote I/O station)
Setting switch	Station no., transmission speed, HLD/CLR, Terminal ON/OFF

Explanation of appearance

Top view
(Inside of cover)

- Station No. setting switch
- Transmission speed setting switch
- Output mode setting switch
- Terminal station setting switch
- Name plate
- Operating indication LED
- Setscrew (1 each on both top and bottom)
- Guard
- Emergency stop pulse string input connector
- Serial communication signal line connector
- Slave unit power
- Power for AX driver

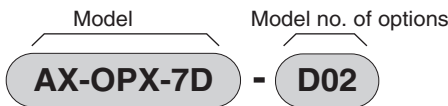## Serial transmission slave unit DeviceNet

AX-OPX-7D

● Common with GS/GH/S/H type driver

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Features

● The direct drive actuator is used with DeviceNet by installing it on the driver's I/O connector (CN3).
● Major reductions in wiring
● I/O point
  16 inputs, 14 outputs
● Whether to hold output if a communication error occurs or to turn all points off is selected with the HLD/CLR switch.
● Three transmission speeds are selectable.
● An external emergency stop input (b contact) is connected serially to the emergency stop signal with serial communication.
● CE marking

Common specifications

Descriptions	Specifications
Slave unit power	24 VDC ±10% and 100mA or less
AX driver power	24 VDC +10%, -5% or 450mA or less
Communication power	11 to 25 VDC 50mA or less
Working ambient temperature range	5 to 50°C
Working ambient humidity range	30 to 85%RH (with no dew condensation)
Atmosphere	Without corrosive gas and dust
Vibration resistance	4.9m/s^2
Weight	0.15kg

How to order

Model　　　Model no. of options

AX-OPX-7D - **D02**

Symbol	Descriptions
Blank	Standard
D02	Cable for pulse string input (2m) attached

Accessory (plug)

1) MSTB2.5/5-STF-5.08AUDVM (Phoenix contact) 1 pc.
2) BL3.5/2F (Weidmüller) 2 pcs.
3) ZHR-6 (JST MFG CO. LTD.) 1 pc.

Note: When using emergency stop input from an external source, or when operating with a pulse string from an external pulse generator, designated the option model No.

Performance specifications

Descriptions	Specifications
Communication subject	DeviceNet conformed
Communication speed	125k/250k/500k bps (select with a switch.)
Output No.	14 points
Input No.	16 points
Other inputs	Pulse string, emergency stop
Output insulation type	Photo coupler insulation
Operating indication	LED (power and communication state display)
Occupied byte number	Input: 2 bytes, output: 2 bytes
Setting switch	Output mode (HLD/CLR), Node address and communication speed

Explanation of appearance

Node address setting switch
Communication speed setting switch
Output mode setting switch
Name plate
Operating indication LED

Top view
(Inside of cover)

Setscrew (1 each on both top and bottom)
Guard
Emergency stop pulse string input connector
Serial communication signal line connector
(including communication power line)
Slave unit power
Power for AX driver

CC-Link/DeviceNet

Serial transmission slave unit

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