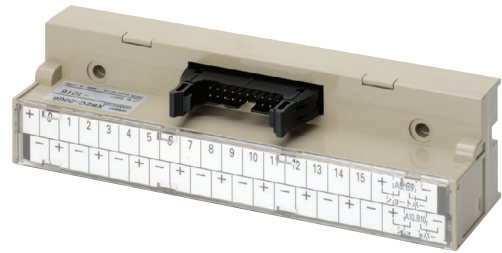


# XW2C-20G6-IO16

**Common terminal provided. Use for either PLC Input Unit or Output Unit merely by changing short bar.**



## Ordering Information

### Connector-Terminal Block Conversion Unit

No. of inputs	No. of poles	Model	Mounted Connector model	Cable Connector model
16	20	XW2C-20G6-IO16	XG4A-2031	XG4M-2030-T

### Accessories (Order Separately)

#### Connecting Cables for Connector-Terminal Block Conversion Units

Refer to the *XW2Z datasheet*.

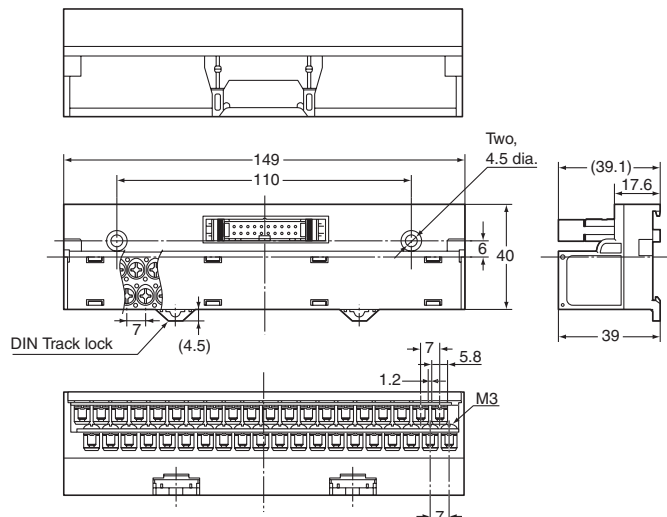
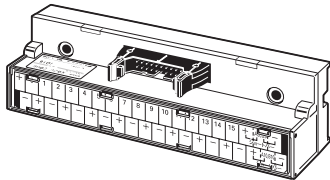
## Ratings and Specifications

Rated current	1 A
Rated voltage	125 VAC, 24 VDC
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	500 VAC for 1 min (leakage current: 1 mA max.)
Ambient operating temperature	0 to 55°C

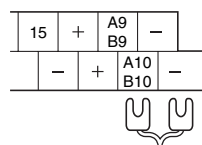
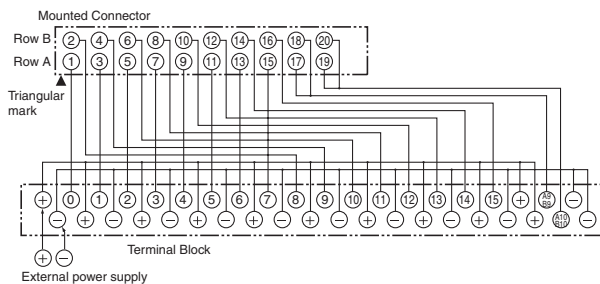
## Dimensions

(Unit: mm)

### XW2C-20G6-IO16



### Wiring Diagram



**Connect the short bar according to the application as shown in the following table.**

#### • Connecting to PLC I/O Unit

Application	Connection Method
NPN inputs (+ common)	Connect terminal A9/B9 and the positive power terminal. Terminal A10/B10 do not need to be connected.
PNP inputs (- common)	Connect terminal A9/B9 and the negative power terminal. Terminal A10/B10 do not need to be connected.
Outputs	Connect terminal A9/B9 and the negative power terminal. Terminal A10/B10 and the positive power terminal do not need to be connected.

#### • Connecting to Field Network Equipment

Application	Connection Method
NPN inputs PNP inputs	Connect terminal A9/B9 and the negative power terminal.
Outputs	Connect terminal A10/B10 and the positive power terminal.

## Safety Precautions

### Precautions for Correct Use

#### ● Wiring

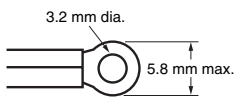
- Always turn OFF the power supply before wiring. Otherwise, cables or other conductors can short the terminals and cause the Unit to fail.
- Do not connect or disconnect Connectors with the power turned ON. Otherwise, it may cause malfunctions.

#### ● Wiring Terminal Blocks

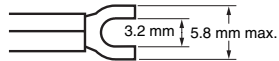
Using Crimp Terminals

(With a Terminal Block with M3 Screws)

##### Round crimp terminals



##### Forked crimp terminals



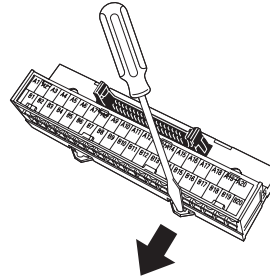
Applicable crimp terminals		Applicable wires
Round crimp terminals	1.25-3	AWG22 to AWG16 (0.30 to 1.25 mm <sup>2</sup> )
Forked crimp terminals	1.25Y-3	AWG22 to AWG16 (0.30 to 1.25 mm <sup>2</sup> )

#### ● Terminal Screw Tightening Torque

Use a tightening torque of 0.7 N·m when connecting wires or crimp terminals to the terminal block.

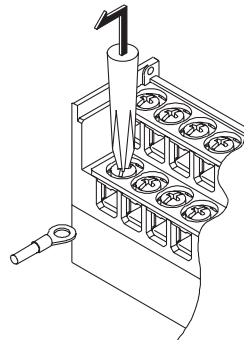
#### ● Mounting Units to and Removing Units from DIN Track

- XW2C Connector-Terminal Block Conversion Units can be mounted side-to-side on DIN Track.
- Secure both ends of the XW2C with End Plates.
- When removing the Unit from a DIN Track, insert a flat-head screwdriver into the slider and pull the lock out.

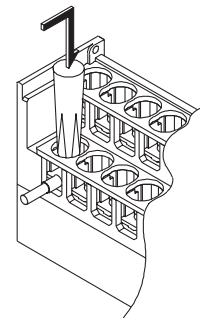


#### ● Handling M3 Screw and Round Terminals

Raise the M3 screw with a Phillips screwdriver as shown in diagram (1) and slide the screw toward you to keep the space open. Follow the steps in diagrams (1) and (2) below when using round crimp terminals.



(1)



(2)

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2008.11

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