Connector–Terminal Conversion Unit | XW2C

Incorporates Power Supply Common Terminals and Operation Indicators, and Saves Wiring Effort in Control Panels for Input Devices

● Power supply common terminals for input devices.

● Compact 50-mm width.

● Operation indicators make it possible to monitor the ON and OFF conditions of input signals with ease.

● DIN track mounting and screw mounting are available.

● Dedicated cables are available (sold separately).
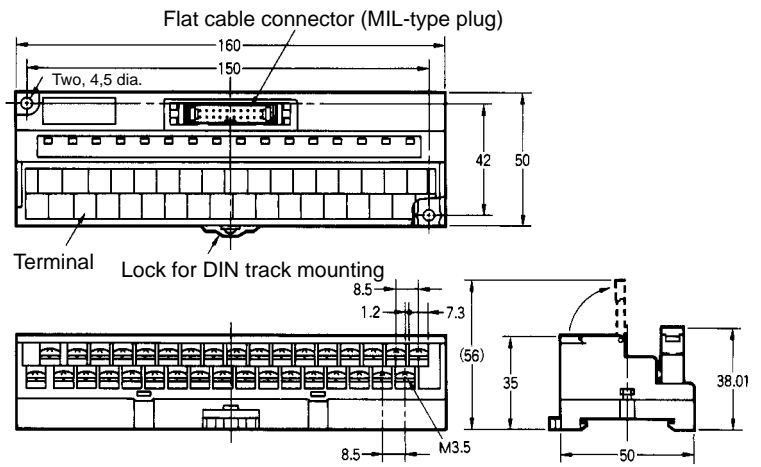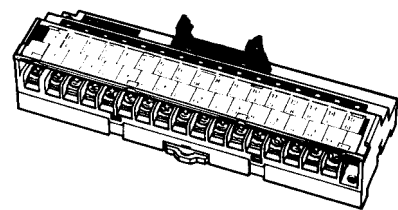
■ Ordering Information

Number of input points	Input mode	Model
16	NPN input (negative common)	XW2C-20G5-IN16

■ Specifications

Rated current	1 A/common
Rated voltage	12 to 24 VDC
Number of inputs	16
Input indicator	Orange LED
Power supply voltage range	12 to 24 VDC±5%
LED current	10 mA/point at 24 VDC
Insulation resistance	50 MΩ min. (at 500 VDC)
Dielectric strength	500 VAC for 1 min
Enclosure rating	IP10 (IEC529)
Electrical protection	Class 0
Ambient temperature	Operating: 0°C to 55°C

■ Dimensions

XW2C-20G5-IN16

Flat cable connector (MIL-type plug)

160
150
Two, 4,5 dia.

42 50

Terminal   Lock for DIN track mounting

8.5
1.2   7.3

(56)

35   38.01

8.5   M3.5   50

■ Terminal Arrangement

XG4A-2031 Flat-cable Connector
(mated side)

Triangle mark

Terminal

External power supply

12 to 24 VDC

Photoelectric Sensor
Proximity Sensor
(3-wire Sensor with
NPN output and built-in
amplifier)

2-wire DC
Proximity
Sensor

Limit Switch
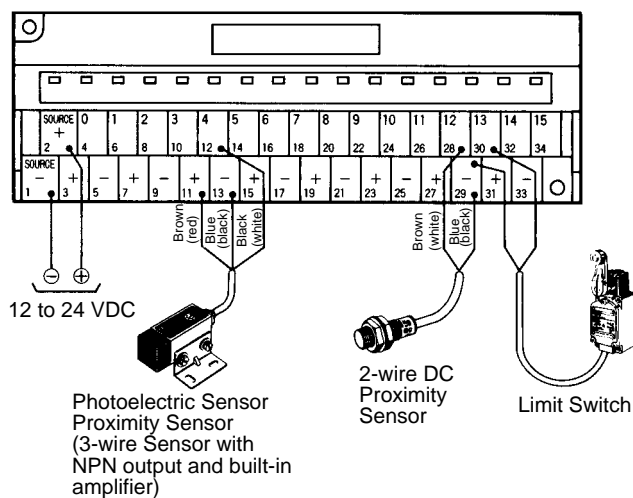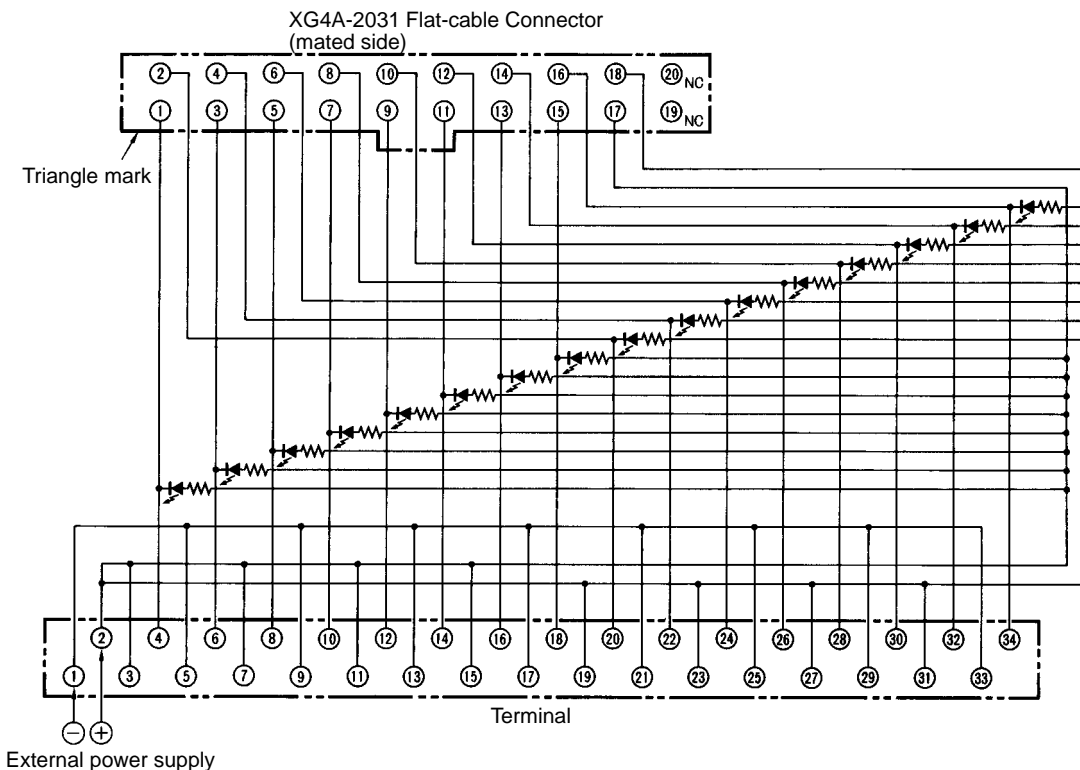
Note: The lead wire colors of Photoelectric Sensors and Proximity Sensors have been changed in compliance with the latest applicable JIS standards. Colors in parentheses are previous ones.

■ Dedicated Cable

Refer to pages 68 to 71.

Note: The G79-□C Cable with a connector for the G7TC cannot be used due to a difference in wiring.

■ **Precautions**

Wiring

Do not wire the Unit while power is supplied to the Unit, otherwise the terminals may be short-circuited with the cable and the Unit may malfunction.

Do not connect or disconnect the connector while power is supplied to the Unit, otherwise the Unit may malfunction.

Terminal Wire Connections

Follow the instructions below to connect the wires directly to the M3.5 screw terminals:

The wires can be connected to the M3.5 screw terminal via the following crimp terminals:

2-3.5 type (round type)

2Y-3.5 type (fork type)

DIN Track Mounting

Secure both ends of the XW2C with end plates.

Terminal Screw Tightening Torque

When connecting crimp terminals to the terminal block, be sure to tighten each crimp terminal to 0.59 N • m (6 kgf • cm).