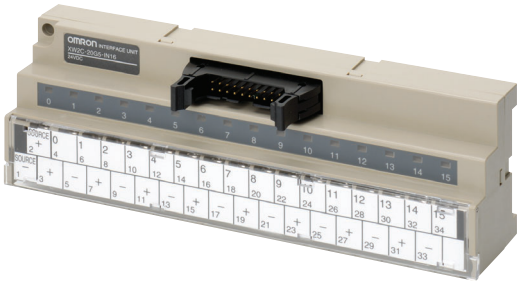
Connector-Terminal Block Conversion Unit with Common

XW2C-20G5-IN16

CSM_XW2C-20G5-IN16_DS_E_1_2

Features like a common terminal and LED operation indicators reduce control panel wiring for input devices.



- **Power supply common provided for input devices.**
- **LEDs indicate at a glance whether input signals are ON or OFF.**
- **Mounts to DIN Track or via screws.**
- **Connecting Cable available (sold separately).**

Ordering Information

Connector-Terminal Block Conversion Unit

No. of inputs	Input type	Model
16	NPN-compatible input (+ common)	**XW2C-20G5-IN16**

Accessories (Order Separately)

Connecting Cables for Connector-Terminal Block Conversion Units

Refer to the *XW2Z datasheet*.

Note: Do not use the G79-□C (G7TC Connector with Cable) because it is wired differently.

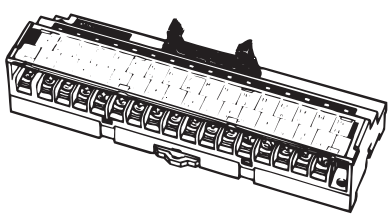
Ratings and Specifications

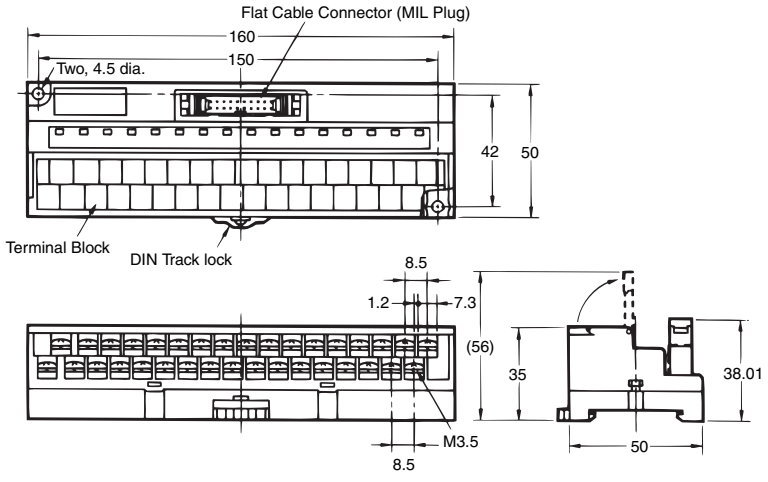
Rated current	1 A/common
Rated voltage	12 to 24 VDC
No. of circuits	16
Input indicator	LED (orange)
Power supply voltage range	12 to 24 VDC ±5%
LED current	24 VDC: 10 mA/point max.
Insulation resistance	50 MΩ min. (at 500 VDC)
Dielectric strength	500 VAC for 1 min
Ambient operating temperature	0 to 55°C

Dimensions

(Unit: mm)

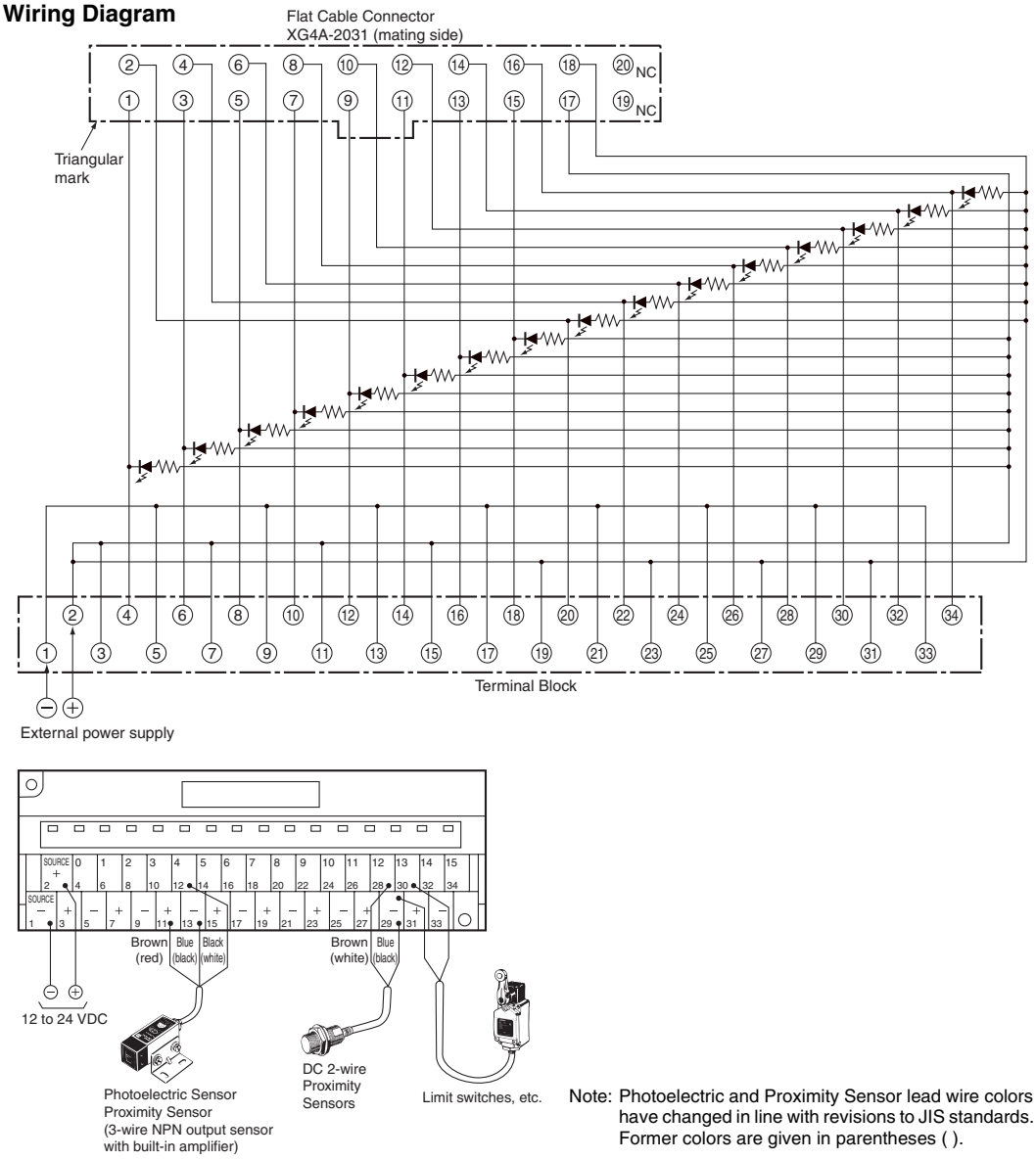
XW2C-20G5-IN16





Circuit and Terminal Arrangement Diagram

Wiring Diagram



Note: Photoelectric and Proximity Sensor lead wire colors have changed in line with revisions to JIS standards. Former colors are given in parentheses ( ).

Safety Precautions

Precautions for Correct Use

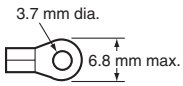
● Wiring

- 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.

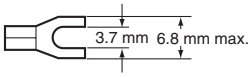
● Wiring Terminal Blocks

Using Crimp Terminals
(With a Terminal Block with M3.5 Screws)

Round crimp terminals



Forked crimp terminals



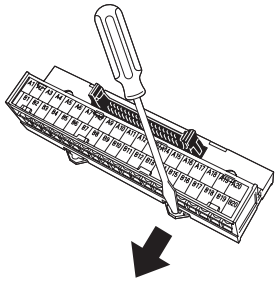
Applicable crimp terminals		Applicable wires
Round crimp terminals	2-3.5	AWG16 to 14 (1.25 to 2.0 mm^2)
Forked crimp terminals	2Y-3.5	AWG16 to 14 (1.25 to 2.0 mm^2)

● Terminal Screw Tightening Torque

Use a tightening torque of 0.59 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.



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2008.11

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