

Models for Connection to OMRON PLCs without power supply terminals

Phillips screw

Ordering Information

Appearance	I/O Points (Number of poles)	Model *
	32 (34)	XW2R-J34GD-C1
		XW2R-J34GD-C2
		XW2R-J34GD-C3
		XW2R-J34GD-C4

* Only DIN Track mounting models are described here.

Ratings and Specifications

Rated current		0.5 A/signal, 4 A/common
Rated voltage		24VDC
Insuration resistance		100MΩ min. (at 500VDC)
Dielectric strength		500VAC for 1 min (leakage current: 1 mA max.)
Ambient operating temperature		0 to 55°C
Applicable wires	Applicable wire sizes	AWG 22 to 16 (round or forked crimp terminals) AWG 26 to 16 (stranded or solid wires)
	Stripped length	9 mm
	Tightening	0.5 N·m

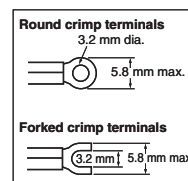
Details on Crimp Terminals

Wiring Terminal Blocks

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

Terminal Screw Tightening Torque

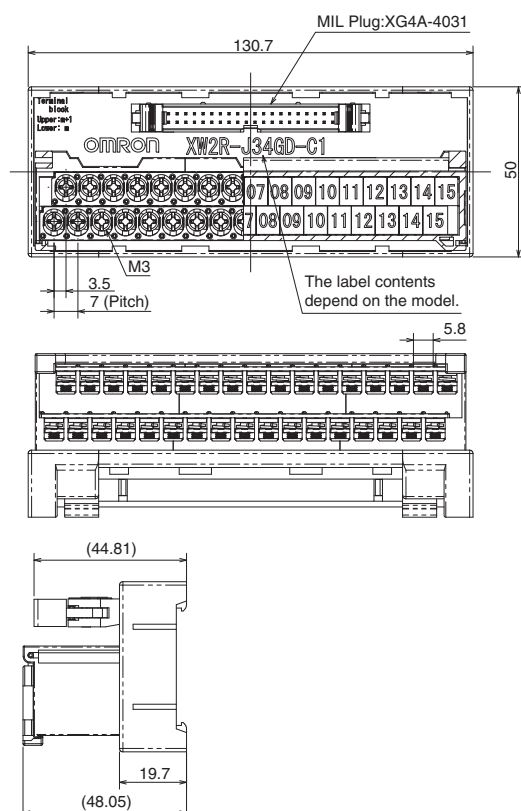
- Use a tightening torque of 0.5 N·m when connecting wires or crimp terminals to the terminal block.



Applicable crimp terminals		Applicable wires
Round crimp terminals	1.25-3	AWG 22 to 16 (0.30 to 1.25 mm ²)
Forked crimp terminals	1.25Y-3	AWG 22 to 16 (0.30 to 1.25 mm ²)

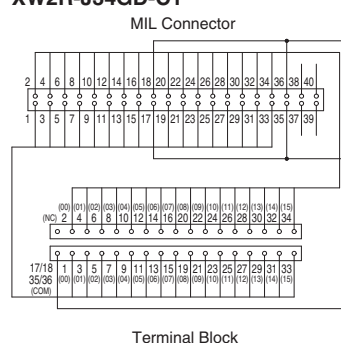
Dimensions

(Unit: mm)

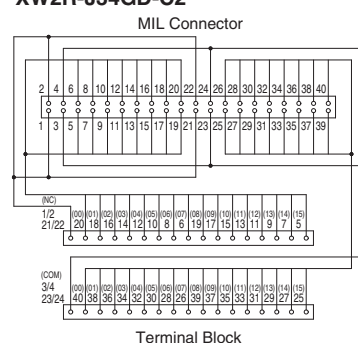


Wiring Diagram

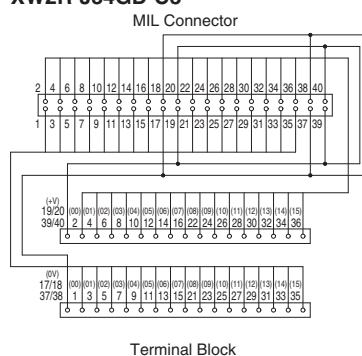
XW2R-J34GD-C1



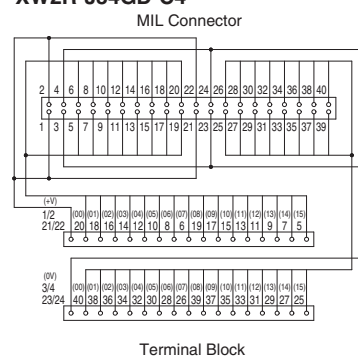
XW2R-J34GD-C2



XW2R-J34GD-C3



XW2R-J34GD-C4



Label Contents

XW2R-J34GD-C1, XW2R-J34GD-C2

NC	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
COM	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

XW2R-J34GD-C3, XW2R-J34GD-C4

+V	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
OV	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

Models for Connection to OMRON PLCs without power supply terminals

Slotted screw (rise up)

Ordering Information

Appearance	I/O Points (Number of poles)	Model *
	32 (34)	XW2R-E34GD-C1
		XW2R-E34GD-C2
		XW2R-E34GD-C3
		XW2R-E34GD-C4

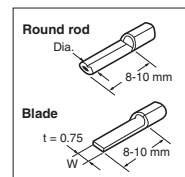
* Only DIN Track mounting models are described here.

Ratings and Specifications

Rated current	0.5 A/signal, 4 A/common
Rated voltage	24VDC
Insulation resistance	100MΩ min. (at 500VDC)
Dielectric strength	500VAC for 1 min (leakage current: 1 mA max.)
Ambient operating temperature	0 to 55°C
Applicable wire sizes	AWG 22 to 16 (ferrules)
	AWG 26 to 16 (stranded or solid wires)
	Stripped length 7 mm
Tightening	0.5 to 0.6 N·m

Details on Crimp Terminals

Applicable crimp terminals		Applicable wires
Rod	TC-05 Dia. = 1	AWG22 to AWG18 (0.30 to 0.75 mm ²)
	TC-1.25S Dia. = 1.5	AWG22 to AWG16 (0.30 to 1.25 mm ²)
Blade	BT1.25-9-1	AWG22 to AWG16 (0.30 to 1.25 mm ²)
	BT1.25-10-1 W = 2.2	AWG22 to AWG16 (0.30 to 1.25 mm ²)

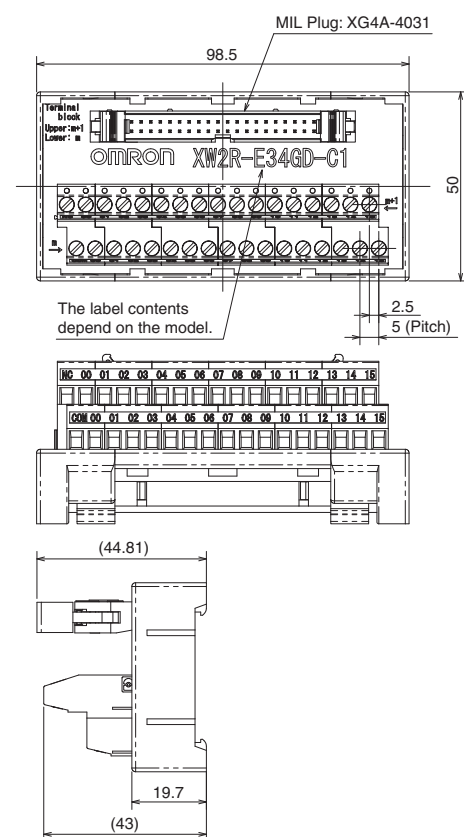


Note: Round rod and blade crimp terminals are made by Nichifu.

Dimensions

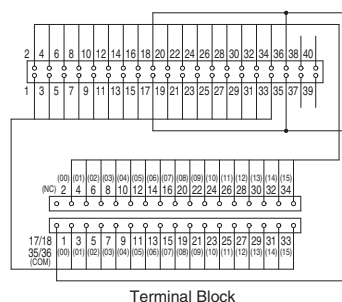
(Unit: mm)

Wiring Diagram



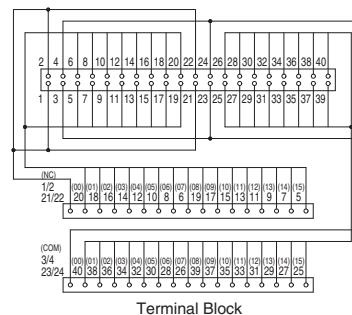
XW2R-E34GD-C1

MIL Connector



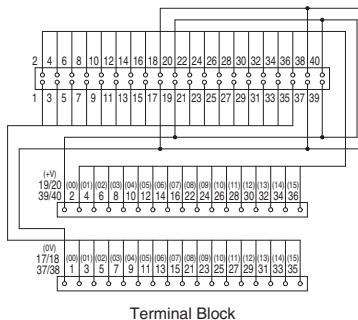
XW2R-E34GD-C2

MIL Connector



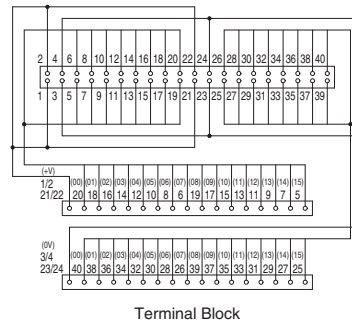
XW2R-E34GD-C3

MIL Connector



XW2R-E34GD-C4

MIL Connector



Label Contents

XW2R-E34GD-C1, XW2R-E34GD-C2

NC	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
COM	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

XW2R-E34GD-C3, XW2R-E34GD-C4

+	V	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0	V	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15