

Table of Connector-Terminal Block Conversion Units and connectable device combinations XW2R Series/XW2 Series

This catalogue shows a table of the patterns and combinations in which connector-terminal block conversion units and connectable devices (PLC I/O units, DeviceNet Units) can be connected.

For the detailed specifications and connection diagrams of each device, see the data sheet of the related product.

Connection type pattern

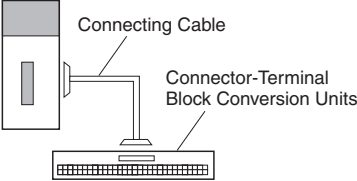
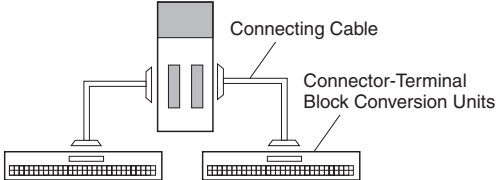
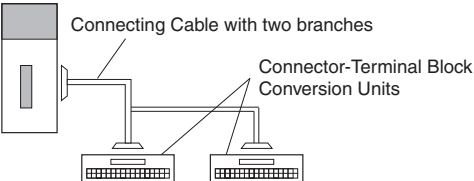
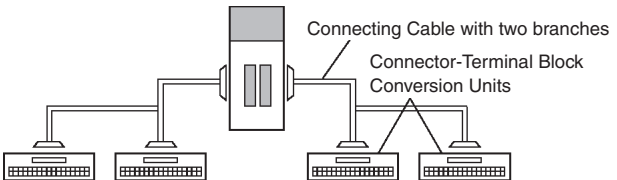
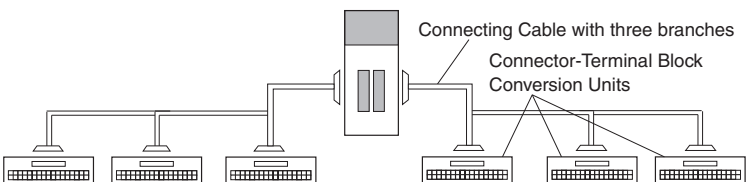
Pattern	Configuration
A	 <p>Connecting Cable</p> <p>Connector-Terminal Block Conversion Units</p>
B	 <p>Connecting Cable</p> <p>Connector-Terminal Block Conversion Units</p>
C	 <p>Connecting Cable with two branches</p> <p>Connector-Terminal Block Conversion Units</p>
D	 <p>Connecting Cable with two branches</p> <p>Connector-Terminal Block Conversion Units</p>
E	 <p>Connecting Cable with three branches</p> <p>Connector-Terminal Block Conversion Units</p>

Table of Connector-Terminal Block Conversion Units and connectable device combinations

Combinations with XW2R

XW2R Series

Combinations with the OMRON PLC NX Series

NX I/O Units				Connection pattern	XW2Z connection cable *1			XW2R Connector-terminal block conversion units *2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Input Units									
16 inputs	NX-ID5142-5	1 MIL connector (20)	NPN or PNP	A	1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
32 inputs	NX-ID6142-5	1 MIL connector (40)	NPN or PNP		1:1	XW2Z-□□□K	1	XW2R-□34GD-C2	1
				C	1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2
	NX-ID6142-6	1 Fujitsu connector (40)	NPN or PNP	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-C1	1
				C	1:2	XW2Z-□□□D	1	XW2R-□20GD-T	2
Output Units									
16 outputs	NX-OD5121-5	1 MIL connector (20)	NPN	A	1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
	NX-OD5256-5	1 MIL connector (20)	PNP		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
32 outputs	NX-OD6121-5	1 MIL connector (40)	NPN		C	1:2	XW2Z-□□□K	1	XW2R-□34GD-C4
				A	1:1	XW2Z-□□□N	1	XW2R-□20GD-T	2
	NX-OD6256-5	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2R-□34GD-C4	1
				C	1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2
	NX-OD6121-6	1 Fujitsu connector (40)	NPN	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1
			C	1:2	XW2Z-□□□L	1	XW2R-□20GD-T	2	
Mixed I/O Units									
16 inputs/ 16 outputs	NX-MD6121-6	2 Fujitsu connectors (40) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP Outputs: NPN	B	1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
					1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
	NX-MD6121-5	2 MIL connectors (20) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP Outputs: NPN		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
					1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
	NX-MD6256-5	2 MIL connectors (20) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP Outputs: PNP		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
1:1				XW2Z-□□□X	1	XW2R-□20GD-T	1		

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. "□" represents the connection method J, E, or P. J: Plus screw type, E: Minus screw type, P: Push-in type

XW2R series Explanation of types:

- Models for connection to OMRON PLCs
Without power supply terminals: XW2R-□34GD-C□
(With power terminal: XW2R-□□□GD-□□-COM also available)
- General-purpose devices
XW2R-□□GD-T

For models other than this table, type details, refer to the XW2R series catalog (Cat. No.G077).

Table of Connector-Terminal Block Conversion Units and connectable device combinations

XW2R Series Combinations with the OMRON PLC CJ Series

CJ1W I/O Units				Connection pattern	XW2Z connection cable *1			XW2R Connector-terminal block conversion units *2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Input Units									
32 inputs	CJ1W-ID231	1 Fujitsu connector (40)	Sinking/Sourcing (NPN or PNP)	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-C1	1
	CJ1W-ID232	1 MIL connector (40)	Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□K	1	XW2R-□34GD-C2	1
	CJ1W-ID233	1 MIL connector (40)	Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□K	1	XW2R-□34GD-C2	1
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40) (2, 32-point connectors)	Sinking/Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	2	XW2R-□34GD-C1	2
	CJ1W-ID262	2 MIL connectors (40) (2, 32-point connectors)	Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□K	2	XW2R-□34GD-C2	2
Output Units									
32 outputs	CJ1W-OD231	1 Fujitsu connector (40)	Sinking (NPN)	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1
	CJ1W-OD233	1 MIL connector (40)	Sinking (NPN)		1:1	XW2Z-□□□K	1	XW2R-□34GD-C4	1
	CJ1W-OD232	1 MIL connector (40)	Sourcing (PNP)		1:1	XW2Z-□□□K	1	XW2R-□34GD-C4	1
	CJ1W-OD234	1 MIL connector (40)	Sinking (NPN)		1:1	XW2Z-□□□K	1	XW2R-□34GD-C4	1
64 outputs	CJ1W-OD261	2 Fujitsu connectors (40) (2, 32-point connectors)	Sinking (NPN)	B	1:1	XW2Z-□□□B	2	XW2R-□34GD-C3	2
	CJ1W-OD262	2 MIL connectors (40) (2, 32-point connectors)	Sourcing (PNP)		1:1	XW2Z-□□□K	2	XW2R-□34GD-C4	2
	CJ1W-OD263	2 MIL connectors (40) (2, 32-point connectors)	Sinking (NPN)		1:1	XW2Z-□□□K	2	XW2R-□34GD-C4	2
Mixed I/O Units									
16 inputs/ 16 outputs	CJ1W-MD231	2 Fujitsu connectors (24) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking (NPN)	B	1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
			Outputs: Sinking (NPN)		1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
	CJ1W-MD233	2 MIL connectors (20) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking (NPN)		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
			Outputs: Sinking (NPN)		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
	CJ1W-MD232	2 MIL connectors (20) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sourcing (PNP)		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
			Outputs: Sourcing (PNP)		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
32 inputs/ 32 outputs	CJ1W-MD261	2 Fujitsu connectors (40) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking (NPN)	1:1	XW2Z-□□□B	1	XW2R-□34GD-C1	1	
			Outputs: Sinking (NPN)	1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1	
	CJ1W-MD263	2 MIL connectors (40) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking (NPN)	1:1	XW2Z-□□□K	1	XW2R-□34GD-C2	1	
			Outputs: Sinking (NPN)	1:1	XW2Z-□□□K	1	XW2R-□34GD-C4	1	

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. "□" represents the connection method J, E, or P. J: Plus screw type, E: Minus screw type, P: Push-in type

XW2R series Explanation of types:

- Models for connection to OMRON PLCs
Without power supply terminals: XW2R-□34GD-C□
(With power terminal: XW2R-□□□GD-□□-COM also available)

- General-purpose devices
XW2R-□□GD-T

For models other than this table, type details, refer to the XW2R series catalog (Cat. No.G077).

Table of Connector-Terminal Block Conversion Units and connectable device combinations

XW2R Series Combinations with the OMRON PLC CS Series

CS1W I/O Units				Connection pattern	XW2Z connection cable #1			XW2R Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Input Units									
DC Input Model									
32 inputs	CS1W-ID231	1 Fujitsu connector (40)	Sinking/Sourcing (NPN or PNP)	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-C1	1
64 inputs	CS1W-ID261	2 Fujitsu connectors (40) (2, 32-point connectors)	Sinking/Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	2	XW2R-□34GD-C1	2
Output Units									
Transistor Output Model									
32 outputs	CS1W-OD231	1 Fujitsu connector (40)	Sinking (NPN)	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1
	CS1W-OD232	1 Fujitsu connector (40)	Sourcing (PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1
64 outputs	CS1W-OD261	2 Fujitsu connectors (40) (2, 32-point connectors)	Sinking (NPN)	B	1:1	XW2Z-□□□B	2	XW2R-□34GD-C3	2
	CS1W-OD262	2 Fujitsu connectors (40) (2, 32-point connectors)	Sourcing (PNP)		1:1	XW2Z-□□□B	2	XW2R-□34GD-C3	2
Mixed I/O Units									
DC Input/Transistor Output Model									
32 inputs/ 32 outputs	CS1W-MD261	2 Fujitsu connectors (40) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	1	XW2R-□34GD-C1	1
			Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1
	CS1W-MD262	2 Fujitsu connectors (40) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-C1	1
			Outputs: Sinking (PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1
	CS1W-MD561	2 Fujitsu connectors (40) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-C1	1
			Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-C3	1

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. "□" represents the connection method J, E, or P. J: Plus screw type, E: Minus screw type, P: Push-in type

XW2R series Explanation of types:

- Models for connection to OMRON PLCs
Without power supply terminals: XW2R-□34GD-C□
(With power terminal: XW2R-□□□GD-□□-COM also available)
- General-purpose devices
XW2R-□□GD-T

For models other than this table, type details, refer to the XW2R series catalog (Cat. No.G077).

Table of Connector-Terminal Block Conversion Units and connectable device combinations

XW2R Series Combinations with the OMRON DeviceNet Slave

DeviceNet Slave				Connection pattern	XW2Z connection cable #1			XW2R Connector-terminal block conversion units #2		
I/O capacity	Model	External connectors	Polarity (transistor)		Connection	Model	Quantity required	Model	Quantity required	
DRT2 Series Smart Slave MIL Connector Terminal Model										
16 inputs	DRT2-ID16ML	1 MIL connector (20)	NPN	A	1:1	XW2Z-RO□C	1	XW2R-□20GD-T	1	
	DRT2-ID16ML-1	1 MIL connector (20)	PNP		1:1	XW2Z-RO□C	1	XW2R-□20GD-T	1	
16 outputs	DRT2-OD16ML	1 MIL connector (20)	NPN		1:1	XW2Z-RO□C	1	XW2R-□20GD-T	1	
	DRT2-OD16ML-1	1 MIL connector (20)	PNP		1:1	XW2Z-RO□C	1	XW2R-□20GD-T	1	
32 inputs	DRT2-ID32ML	1 MIL connector (40)	NPN	C	1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-ID32ML-1	1 MIL connector (40)	PNP		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
32 outputs	DRT2-OD32ML	1 MIL connector (40)	NPN		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-OD32ML-1	1 MIL connector (40)	PNP		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
16 inputs/ 16 outputs	DRT2-MD32ML	1 MIL connector (40)	NPN		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-MD32ML-1	1 MIL connector (40)	PNP		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
DRT2 Series Smart Slave Board Terminal MIL Connector Model (Parallel Mounting)										
32 inputs	DRT2-ID32B	1 MIL connector (40)	NPN		C	1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2
	DRT2-ID32B-1	1 MIL connector (40)	PNP	1:2		XW2Z-□□□N	1	XW2R-□20GD-T	2	
32 outputs	DRT2-OD32B	1 MIL connector (40)	NPN	1:2		XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-OD32B-1	1 MIL connector (40)	PNP	1:2		XW2Z-□□□N	1	XW2R-□20GD-T	2	
16 inputs/ 16 outputs	DRT2-MD32B	1 MIL connector (40)	NPN	1:2		XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-MD32B-1	1 MIL connector (40)	PNP	1:2		XW2Z-□□□N	1	XW2R-□20GD-T	2	
DRT2 Series Smart Slave Board Terminal MIL Connector Model (Perpendicular Mounting)										
32 inputs	DRT2-ID32BV	1 MIL connector (40)	NPN	C	1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-ID32BV-1	1 MIL connector (40)	PNP		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
32 outputs	DRT2-OD32BV	1 MIL connector (40)	NPN		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-OD32BV-1	1 MIL connector (40)	PNP		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
16 inputs/ 16 outputs	DRT2-MD32BV	1 MIL connector (40)	NPN		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	
	DRT2-MD32BV-1	1 MIL connector (40)	PNP		1:2	XW2Z-□□□N	1	XW2R-□20GD-T	2	

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

DeviceNet Slave				Connection pattern	XW2Z connection cable *1			XW2R Connector-terminal block conversion units *2	
I/O capacity	Model	External connectors	Polarity (transistor)		Connection	Model	Quantity required	Model	Quantity required
Multiple I/O Terminal Connector Model Digital I/O Unit (Fujitsu Connector)									
16 inputs	GT1-ID16ML	1 Fujitsu connector (24)	NPN	A	1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
	GT1-ID16ML-1	1 Fujitsu connector (24)	PNP		1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
16 outputs	GT1-OD16ML	1 Fujitsu connector (24)	NPN		1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
	GT1-OD16ML-1	1 Fujitsu connector (24)	PNP		1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
Multiple I/O Terminal Multi-Point Connector Model Digital I/O Unit (Fujitsu Connector)									
32 inputs	GT1-ID32ML	1 Fujitsu connector (40)	NPN	A	1:1	XW2Z-□□□B	1	XW2R-□40GD-T	1
	GT1-ID32ML-1	1 Fujitsu connector (40)	PNP		1:1	XW2Z-□□□B	1	XW2R-□40GD-T	1
32 outputs	GT1-OD32ML	1 Fujitsu connector (40)	NPN		1:1	XW2Z-□□□B	1	XW2R-□40GD-T	1
	GT1-OD32ML-1	1 Fujitsu connector (40)	PNP		1:1	XW2Z-□□□B	1	XW2R-□40GD-T	1

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. "□" represents the connection method J, E, or P. J: Plus screw type, E: Minus screw type, P: Push-in type

Table of Connector-Terminal Block Conversion Units and connectable device combinations

XW2R Series

Combinations with the Mitsubishi PLC MELSEC-L Series, MELSEC-Q Series, and MELSEC iQ-R Series

PLC I/O Units				Connection pattern	XW2Z connection cable #1			XW2R Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Input Units									
32 inputs	LX41C4	1 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-M1	1
	QX41/QX41-S1/QX41-S2	1 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M1	1
	QX71	1 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M1	1
	RX41C4	1 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M1	1
64 inputs	LX42C4	2 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	2	XW2R-□34GD-M1	2
	QX42/QX42-S1	2 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	2	XW2R-□34GD-M1	2
	QX82/QX82-S1	2 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	2	XW2R-□34GD-M1	2
	RX42C4	2 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	2	XW2R-□34GD-M1	2
Output Units									
32 outputs	LY41NT1P	1 Fujitsu connector (40)	Outputs: Sinking (NPN)	A	1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1
	QY41P	1 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1
	QY71	1 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1
	RY41NT2P	1 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1
	RY41PT1P	1 Fujitsu connector (40)	Outputs: Sourcing (PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1
64 outputs	LY42NT1P	2 Fujitsu connector (40)	Outputs: Sinking (NPN)	B	1:1	XW2Z-□□□B	2	XW2R-□34GD-M2	2
	RY42NT2P	2 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	2	XW2R-□34GD-M2	2
	QY42P	2 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	2	XW2R-□34GD-M2	2
	QY82P	2 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	2	XW2R-□34GD-M2	2
	RY42PT1P	2 Fujitsu connector (40)	Outputs: Sourcing (PNP)		1:1	XW2Z-□□□B	2	XW2R-□34GD-M2	2
Mixed I/O Units									
32 inputs/ 32 outputs	RH42C4NT2P	1 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	1	XW2R-□34GD-M1	1
		1 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1
	QH42P	1 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M1	1
		1 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1
	QX41Y41P	1 Fujitsu connector (40)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M1	1
		1 Fujitsu connector (40)	Outputs: Sinking (NPN)		1:1	XW2Z-□□□B	1	XW2R-□34GD-M2	1

* 1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

* 2. "□" represents the connection method J, E, or P: J: Plus screw type, E: Minus screw type, P: Push-in type

Table of Connector-Terminal Block Conversion Units and connectable device combinations

Combinations with XW2

XW2 Series

Combinations with the OMRON PLC NX Series

NX I/O Units				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Input Units									
16 inputs	NX-ID5142-5	1 MIL connector (20)	NPN or PNP	A	1:1	XW2Z-□□□X	1	XW2B-20G4	1
					1:1	XW2Z-□□□X	1	XW2B-20G5	1
					1:1	XW2Z-□□□X	1	XW2D-20G6	1
32 inputs	NX-ID6142-5	1 MIL connector (40)	NPN or PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
				C	1:2	XW2Z-□□□N	1	XW2B-20G4	2
					1:2	XW2Z-□□□N	1	XW2B-20G5	2
					1:2	XW2Z-□□□N	1	XW2C-20G5-IN16	2
					1:2	XW2Z-□□□N	1	XW2D-20G6	2
	NX-ID6142-6	1 Fujitsu connector (40)	NPN or PNP	A	1:1	XW2Z-□□□B	1	XW2B-40G4	1
					1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2D-40G6	1
				C	1:2	XW2Z-□□□D	1	XW2B-20G4	2
1:2	XW2Z-□□□D	1	XW2B-20G5	2					
1:2	XW2Z-□□□D	1	XW2C-20G5-IN16	2					
1:2	XW2Z-□□□D	1	XW2C-20G6-IO16	2					
1:2	XW2Z-□□□D	1	XW2D-20G6	2					
1:2	XW2Z-□□□D	1	XW2E-20G5-IN16	2					

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

NX I/O Units				Connection pattern	XW2Z connection cable *1			XW2 Connector-terminal block conversion units *2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Output Units									
16 outputs	NX-OD5121-5	1 MIL connector (20)	NPN	A	1:1	XW2Z-□□□X	1	XW2B-20G4	1
					1:1	XW2Z-□□□X	1	XW2B-20G5	1
					1:1	XW2Z-□□□X	1	XW2D-20G6	1
	NX-OD5256-5	1 MIL connector (20)	PNP		1:1	XW2Z-□□□X	1	XW2B-20G4	1
					1:1	XW2Z-□□□X	1	XW2B-20G5	1
					1:1	XW2Z-□□□X	1	XW2D-20G6	1
32 outputs	NX-OD6121-5	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
				C	1:2	XW2Z-□□□N	1	XW2B-20G4	2
					1:2	XW2Z-□□□N	1	XW2B-20G5	2
					1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	NX-OD6256-5	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
				C	1:2	XW2Z-□□□N	1	XW2B-20G4	2
					1:2	XW2Z-□□□N	1	XW2B-20G5	2
					1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	NX-OD6121-6	1 Fujitsu connector (40)	NPN	A	1:1	XW2Z-□□□B	1	XW2B-40G4	1
					1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2D-40G6	1
				C	1:2	XW2Z-□□□L	1	XW2B-20G4	2
					1:2	XW2Z-□□□L	1	XW2B-20G5	2
					1:2	XW2Z-□□□L	1	XW2C-20G6-IO16	2
					1:2	XW2Z-□□□L	1	XW2D-20G6	2

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

NX I/O Units				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Mixed I/O Units									
16 inputs/ 16 outputs	NX-MD6121-6	2 Fujitsu connectors (40 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP	B	1:1	XW2Z-□□□A	1	XW2B-20G4	1
					1:1	XW2Z-□□□A	1	XW2B-20G5	1
					1:1	XW2Z-□□□A	1	XW2C-20G5-IN16	1
					1:1	XW2Z-□□□A	1	XW2C-20G6-IO16	1
					1:1	XW2Z-□□□A	1	XW2D-20G6	1
			1:1		XW2Z-□□□A	1	XW2E-20G5-IN16	1	
			Outputs: NPN		1:1	XW2Z-□□□A	1	XW2B-20G4	1
					1:1	XW2Z-□□□A	1	XW2B-20G5	1
					1:1	XW2Z-□□□A	1	XW2C-20G6-IO16	1
					1:1	XW2Z-□□□A	1	XW2D-20G6	1
	1:1	XW2Z-□□□X			1	XW2B-20G4	1		
	NX-MD6121-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP		1:1	XW2Z-□□□X	1	XW2B-20G5	1
					1:1	XW2Z-□□□X	1	XW2D-20G6	1
					1:1	XW2Z-□□□X	1	XW2B-20G4	1
					1:1	XW2Z-□□□X	1	XW2B-20G5	1
					1:1	XW2Z-□□□X	1	XW2D-20G6	1
			Outputs: NPN		1:1	XW2Z-□□□X	1	XW2B-20G4	1
					1:1	XW2Z-□□□X	1	XW2B-20G5	1
					1:1	XW2Z-□□□X	1	XW2D-20G6	1
					1:1	XW2Z-□□□X	1	XW2B-20G4	1
1:1				XW2Z-□□□X	1	XW2B-20G5	1		
NX-MD6256-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP	1:1	XW2Z-□□□X	1	XW2D-20G6	1		
			1:1	XW2Z-□□□X	1	XW2B-20G4	1		
			1:1	XW2Z-□□□X	1	XW2B-20G5	1		
		Outputs: PNP	1:1	XW2Z-□□□X	1	XW2B-20G4	1		
			1:1	XW2Z-□□□X	1	XW2B-20G5	1		
			1:1	XW2Z-□□□X	1	XW2D-20G6	1		

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. XW2-series Explanation of types:

XW2D: Slim type,

XW2B: Through type,

XW2C: Common type (with common terminal),

XW2E: Common type (with common terminal, 3-stage type for input),

For models other than this table, detailed specifications, refer to the XW2□ data sheet.

Table of Connector-Terminal Block Conversion Units and connectable device combinations

XW2 Series Combinations with the OMRON PLC CJ Series

CJ1W I/O Units				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Input Units									
32 inputs	CJ1W-ID231	1 Fujitsu connector (40)	NPN	A	1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2B-40G4	1
				C	1:1	XW2Z-□□□B	1	XW2D-40G6	1
					1:2	XW2Z-□□□D	1	XW2C-20G5-IN16	2
	CJ1W-ID232	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
				C	1:1	XW2Z-□□□K	1	XW2D-40G6	1
					1:2	XW2Z-□□□N	1	XW2C-20G5-IN16	2
	CJ1W-ID233	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
				C	1:1	XW2Z-□□□K	1	XW2D-40G6	1
					1:2	XW2Z-□□□N	1	XW2C-20G5-IN16	2
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	NPN	B	1:1	XW2Z-□□□B	2	XW2B-40G5	2
					1:1	XW2Z-□□□B	2	XW2B-40G4	2
				D	1:1	XW2Z-□□□B	2	XW2D-40G6	2
					1:2	XW2Z-□□□D	2	XW2C-20G5-IN16	4
	CJ1W-ID262	2 MIL connectors (40 p) (2, 32-point connectors)	NPN	B	1:1	XW2Z-□□□K	2	XW2B-40G5	2
					1:1	XW2Z-□□□K	2	XW2B-40G4	2
				D	1:1	XW2Z-□□□K	2	XW2D-40G6	2
					1:2	XW2Z-□□□N	2	XW2C-20G5-IN16	4
				1:2	XW2Z-□□□N	2	XW2C-20G6-IO16	4	

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

CJ1W I/O Units				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2						
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required					
Output Units														
32 outputs	CJ1W-OD231	1 Fujitsu connector (40)	Sinking (NPN)	A	1:1	XW2Z-□□□B	1	XW2B-40G5	1					
					1:1	XW2Z-□□□B	1	XW2B-40G4	1					
					1:1	XW2Z-□□□B	1	XW2D-40G6	1					
					1:1	XW2Z-□□□K	1	XW2B-40G5	1					
					1:1	XW2Z-□□□K	1	XW2B-40G4	1					
					1:1	XW2Z-□□□K	1	XW2D-40G6	1					
	CJ1W-OD233	1 MIL connector (40)	Sinking (NPN)	C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2					
					CJ1W-OD232	1 MIL connector (40)	Sourcing (PNP)	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1	
									1:1	XW2Z-□□□K	1	XW2B-40G4	1	
									1:1	XW2Z-□□□K	1	XW2D-40G6	1	
									C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
										CJ1W-OD234	1 MIL connector (40)	Sinking (NPN)	A	1:1
1:1	XW2Z-□□□K	1	XW2B-40G4	1										
1:1	XW2Z-□□□K	1	XW2D-40G6	1										
C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2									
	CJ1W-OD261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sinking (NPN)	B	1:1	XW2Z-□□□B	2	XW2B-40G5	2					
					1:1	XW2Z-□□□B	2	XW2B-40G4	2					
1:1					XW2Z-□□□B	2	XW2D-40G6	2						
1:1					XW2Z-□□□K	2	XW2B-40G5	2						
D					1:2	XW2Z-□□□N	2	XW2C-20G6-IO16	4					
					CJ1W-OD262	2 MIL connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)	B	1:1	XW2Z-□□□K	2	XW2B-40G5	2	
1:1	XW2Z-□□□K	2	XW2B-40G4	2										
1:1	XW2Z-□□□K	2	XW2D-40G6	2										
D	1:2	XW2Z-□□□N	2	XW2C-20G6-IO16					4					
	CJ1W-OD263	2 MIL connectors (40 p) (2, 32-point connectors)	Sinking (NPN)	B					1:1	XW2Z-□□□K	2	XW2B-40G5	2	
1:1									XW2Z-□□□K	2	XW2B-40G4	2		
1:1					XW2Z-□□□K	2	XW2D-40G6	2						
D					1:2	XW2Z-□□□N	2	XW2C-20G6-IO16	4					

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

CJ1W I/O Units				Connection pattern	XW2Z connection cable *1			XW2 Connector-terminal block conversion units *2			
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required		
Mixed I/O Units											
16 inputs/ 16 outputs	CJ1W-MD231	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking (NPN)	B	1:1	XW2Z-□□□A	1	XW2B-20G4	1		
					1:1	XW2Z-□□□A	1	XW2B-20G5	1		
					1:1	XW2Z-□□□A	1	XW2B-20G6	1		
			1:1		XW2Z-□□□A	1	XW2C-20G5-IN16	1			
			1:1		XW2Z-□□□A	1	XW2B-20G4	1			
			1:1		XW2Z-□□□A	1	XW2B-20G5	1			
	CJ1W-MD233	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking (NPN)		1:1	XW2Z-□□□X	1	XW2B-20G4	1		
					1:1	XW2Z-□□□X	1	XW2B-20G5	1		
					1:1	XW2Z-□□□X	1	XW2D-20G6	1		
			Outputs: Sinking (NPN)		1:1	XW2Z-□□□X	1	XW2B-20G4	1		
					1:1	XW2Z-□□□X	1	XW2B-20G5	1		
					1:1	XW2Z-□□□X	1	XW2D-20G6	1		
	CJ1W-MD232	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sourcing (PNP)		1:1	XW2Z-□□□X	1	XW2B-20G4	1		
					1:1	XW2Z-□□□X	1	XW2B-20G5	1		
					1:1	XW2Z-□□□X	1	XW2D-20G6	1		
			Outputs: Sourcing (PNP)		1:1	XW2Z-□□□X	1	XW2B-20G4	1		
					1:1	XW2Z-□□□X	1	XW2B-20G5	1		
					1:1	XW2Z-□□□X	1	XW2D-20G6	1		
32 inputs/ 32 outputs	CJ1W-MD261	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking (NPN)	B	1:1	XW2Z-□□□B	1	XW2B-40G4	1		
					1:1	XW2Z-□□□B	1	XW2B-40G5	1		
					1:1	XW2Z-□□□B	1	XW2D-40G6	1		
			Outputs: Sinking (NPN)		D	1:2	XW2Z-□□□D	1	XW2C-20G5-IN16	2	
						B	1:1	XW2Z-□□□B	1	XW2B-40G4	1
							1:1	XW2Z-□□□B	1	XW2B-40G5	1
	1:1	XW2Z-□□□B	1	XW2D-40G6	1						
	CJ1W-MD263	2 MIL connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking (NPN)	A	1:1	XW2Z-□□□K	1	XW2B-40G4	1		
					1:1	XW2Z-□□□K	1	XW2B-40G5	1		
					1:1	XW2Z-□□□K	1	XW2D-40G6	1		
					C	1:2	XW2Z-□□□N	1	XW2C-20G5-IN16	2	
						1:2	XW2Z-□□□N	1	XW2E-20G5-IN16	2	
						Outputs: Sinking (NPN)	A	1:1	XW2Z-□□□K	1	XW2B-40G4
			1:1	XW2Z-□□□K	1			XW2B-40G5	1		
			1:1	XW2Z-□□□K	1			XW2D-40G6	1		
			C	1:2	XW2Z-□□□N		1	XW2C-20G6-IO16	2		

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. XW2-series Explanation of types:

XW2D: Slim type,

XW2B: Through type,

XW2C: Common type (with common terminal),

XW2E: Common type (with common terminal, 3-stage type for input),

For models other than this table, detailed specifications, refer to the XW2□ data sheet.

Table of Connector-Terminal Block Conversion Units and connectable device combinations

XW2 Series Combinations with the OMRON PLC CS Series

CS1W I/O Units				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Input Units									
DC Input Model									
32 inputs	CS1W-ID231	1 Fujitsu connector (40)	Sinking/ Sourcing (NPN or PNP)	A	1:1	XW2Z-□□□B	1	XW2D-40G6	1
					1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2B-40G4	1
				C	1:2	XW2Z-□□□D	1	XW2D-20G6	2
					1:2	XW2Z-□□□D	1	XW2B-20G5	2
					1:2	XW2Z-□□□D	1	XW2B-20G4	2
					1:2	XW2Z-□□□D	1	XW2C-20G6-IO16	2
64 inputs	CS1W-ID261	2 Fujitsu connectors (40) (2, 32-point connectors)	Sinking/ Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	2	XW2D-40G6	2
					1:1	XW2Z-□□□B	2	XW2B-40G5	2
					1:1	XW2Z-□□□B	2	XW2B-40G4	2
				D	1:2	XW2Z-□□□D	2	XW2D-20G6	4
					1:2	XW2Z-□□□D	2	XW2B-20G5	4
					1:2	XW2Z-□□□D	2	XW2B-20G4	4
					1:2	XW2Z-□□□D	2	XW2C-20G6-IO16	4
96 inputs	CS1W-ID291	2 Fujitsu connectors (56) (2, 48-point connectors)	Sinking/ Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□H-1	2	XW2B-60G4	2
					1:1	XW2Z-□□□H-1	2	XW2B-60G5	2
				D	1:2	XW2Z-□□□H-2	2	XW2D-20G6 +XW2D-40G6	4
					1:2	XW2Z-□□□H-2	2	XW2B-20G4 +XW2B-40G4	4
					1:2	XW2Z-□□□H-2	2	XW2B-20G5 +XW2B-40G5	4
				E	1:3	XW2Z-□□□H-3	2	XW2D-20G6	6
					1:3	XW2Z-□□□H-3	2	XW2B-20G5	6
					1:3	XW2Z-□□□H-3	2	XW2B-20G4	6

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

CS1W I/O Units				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required
Output Units									
Transistor Output Model									
32 outputs	CS1W-OD231	1 Fujitsu connector (40)	Sinking (NPN)	A	1:1	XW2Z-□□□B	1	XW2D-40G6	1
					1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2B-40G4	1
				C	1:2	XW2Z-□□□L	1	XW2D-20G6	2
					1:2	XW2Z-□□□L	1	XW2B-20G5	2
					1:2	XW2Z-□□□L	1	XW2B-20G4	2
	CS1W-OD232	1 Fujitsu connector (40)	Sourcing (PNP)	A	1:1	XW2Z-□□□B	1	XW2D-40G6	1
					1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2B-40G4	1
				C	1:2	XW2Z-□□□L	1	XW2D-20G6	2
					1:2	XW2Z-□□□L	1	XW2B-20G5	2
					1:2	XW2Z-□□□L	1	XW2B-20G4	2
64 outputs	CS1W-OD261	2 Fujitsu connectors (40) (2, 32-point connectors)	Sinking (NPN)	B	1:1	XW2Z-□□□B	2	XW2D-40G6	2
					1:1	XW2Z-□□□B	2	XW2B-40G5	2
					1:1	XW2Z-□□□B	2	XW2B-40G4	2
				D	1:2	XW2Z-□□□L	2	XW2D-20G6	4
					1:2	XW2Z-□□□L	2	XW2B-20G5	4
					1:2	XW2Z-□□□L	2	XW2B-20G4	4
	CS1W-OD262	2 Fujitsu connectors (40) (2, 32-point connectors)	Sourcing (PNP)	B	1:1	XW2Z-□□□B	2	XW2D-40G6	2
					1:1	XW2Z-□□□B	2	XW2B-40G5	2
					1:1	XW2Z-□□□B	2	XW2B-40G4	2
				D	1:2	XW2Z-□□□L	2	XW2D-20G6	4
					1:2	XW2Z-□□□L	2	XW2B-20G5	4
					1:2	XW2Z-□□□L	2	XW2B-20G4	4
96 outputs	CS1W-OD291	2 Fujitsu connectors (56) (2, 48-point connectors)	Sinking (NPN)	B	1:1	XW2Z-□□□H-1	2	XW2B-60G4	2
					1:1	XW2Z-□□□H-1	2	XW2B-60G5	2
					1:2	XW2Z-□□□H-2	2	XW2D-20G6 +XW2D-40G6	4
				D	1:2	XW2Z-□□□H-2	2	XW2B-20G4 +XW2B-40G4	4
					1:2	XW2Z-□□□H-2	2	XW2B-20G5 +XW2B-40G5	4
					1:3	XW2Z-□□□H-3	2	XW2D-20G6	6
	CS1W-OD291	2 Fujitsu connectors (56) (2, 48-point connectors)	Sourcing (PNP)	E	1:3	XW2Z-□□□H-3	2	XW2B-20G5	6
					1:3	XW2Z-□□□H-3	2	XW2B-20G4	6
					1:3	XW2Z-□□□H-3	2	XW2B-20G5	6
				B	1:1	XW2Z-□□□H-1	2	XW2B-60G4	2
					1:1	XW2Z-□□□H-1	2	XW2B-60G5	2
					1:2	XW2Z-□□□H-2	2	XW2D-20G6 +XW2D-40G6	4
D	1:2	XW2Z-□□□H-2	2	XW2B-20G4 +XW2B-40G4	4				
	1:2	XW2Z-□□□H-2	2	XW2B-20G5 +XW2B-40G5	4				
	1:3	XW2Z-□□□H-3	2	XW2D-20G6	6				
E	1:3	XW2Z-□□□H-3	2	XW2B-20G5	6				
	1:3	XW2Z-□□□H-3	2	XW2B-20G4	6				
	1:3	XW2Z-□□□H-3	2	XW2B-20G5	6				

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

CS1W I/O Units				Connection pattern	XW2Z connection cable *1			XW2 Connector-terminal block conversion units *2			
I/O capacity	Model	External connectors	Polarity		Connection	Model	Quantity required	Model	Quantity required		
Mixed I/O Units											
DC Input/Transistor Output Model											
32 inputs/ 32 outputs	CS1W-MD261	2 Fujitsu connectors (40) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/ Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	1	XW2D-40G6	1		
					1:1	XW2Z-□□□B	1	XW2B-40G5	1		
					1:1	XW2Z-□□□B	1	XW2B-40G4	1		
					1:2	XW2Z-□□□D	1	XW2D-20G6	2		
					1:2	XW2Z-□□□D	1	XW2B-20G5	2		
					1:2	XW2Z-□□□D	1	XW2B-20G4	2		
				D	1:2	XW2Z-□□□D	1	XW2C-20G6-IO16	2		
					1:2	XW2Z-□□□D	1	XW2C-20G5-IN16	2		
					1:2	XW2Z-□□□D	1	XW2E-20G5-IN16	2		
					1:2	XW2Z-□□□D	1	XW2N-20G8-IN16	2		
					Outputs: Sinking (NPN)	B	1:1	XW2Z-□□□B	1	XW2D-40G6	1
							1:1	XW2Z-□□□B	1	XW2B-40G5	1
	1:1	XW2Z-□□□B	1	XW2B-40G4			1				
	D	1:2	XW2Z-□□□L	1		XW2D-20G6	2				
		1:2	XW2Z-□□□L	1		XW2B-20G5	2				
		1:2	XW2Z-□□□L	1		XW2B-20G4	2				
	CS1W-MD262	2 Fujitsu connectors (40) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/ Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□B	1	XW2D-40G6	1		
					1:1	XW2Z-□□□B	1	XW2B-40G5	1		
					1:1	XW2Z-□□□B	1	XW2B-40G4	1		
					1:2	XW2Z-□□□D	1	XW2D-20G6	2		
					1:2	XW2Z-□□□D	1	XW2B-20G5	2		
					1:2	XW2Z-□□□D	1	XW2B-20G4	2		
				D	1:2	XW2Z-□□□D	1	XW2C-20G6-IO16	2		
					1:2	XW2Z-□□□D	1	XW2C-20G5-IN16	2		
1:2					XW2Z-□□□D	1	XW2E-20G5-IN16	2			
Outputs: Sinking (PNP)					B	1:1	XW2Z-□□□B	1	XW2D-40G6	1	
						1:1	XW2Z-□□□B	1	XW2B-40G5	1	
						1:1	XW2Z-□□□B	1	XW2B-40G4	1	
	D	1:2	XW2Z-□□□L	1	XW2D-20G6	2					
		1:2	XW2Z-□□□L	1	XW2B-20G5	2					
		1:2	XW2Z-□□□L	1	XW2B-20G4	2					
48 inputs/ 48 outputs	CS1W-MD291	2 Fujitsu connectors (56) (1 for 48 inputs and 1 for 48 outputs)	Inputs: Sinking/ Sourcing (NPN or PNP)	B	1:1	XW2Z-□□□H-1	1	XW2B-60G4	1		
					1:1	XW2Z-□□□H-1	1	XW2B-60G5	1		
					D	1:2	XW2Z-□□□H-2	1	XW2D-20G6 +XW2D-40G6	2	
						1:2	XW2Z-□□□H-2	1	XW2B-20G4 +XW2B-40G4	2	
						1:2	XW2Z-□□□H-2	1	XW2B-20G5 +XW2B-40G5	2	
						1:3	XW2Z-□□□H-3	1	XW2D-20G6	3	
				E	1:3	XW2Z-□□□H-3	1	XW2B-20G5	3		
					1:3	XW2Z-□□□H-3	1	XW2B-20G4	3		
					Outputs: Sinking (NPN)	B	1:1	XW2Z-□□□H-1	1	XW2B-60G4	1
				1:1			XW2Z-□□□H-1	1	XW2B-60G5	1	
				D		1:2	XW2Z-□□□H-2	1	XW2D-20G6 +XW2D-40G6	2	
						1:2	XW2Z-□□□H-2	1	XW2B-20G4 +XW2B-40G4	2	
						1:2	XW2Z-□□□H-2	1	XW2B-20G5 +XW2B-40G5	2	
						1:3	XW2Z-□□□H-3	1	XW2D-20G6	3	
				E	1:3	XW2Z-□□□H-3	1	XW2B-20G5	3		
					1:3	XW2Z-□□□H-3	1	XW2B-20G4	3		

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. XW2-series Explanation of types:

XW2D: Slim type,

XW2B: Through type,

XW2C: Common type (with common terminal),

XW2E: Common type (with common terminal, 3-stage type for input)

For models other than this table, detailed specifications, refer to the XW2□ data sheet.

Table of Connector-Terminal Block Conversion Units and connectable device combinations

XW2 Series Combinations with the OMRON DeviceNet Slave

DeviceNet Slave				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity (transistor)		Connection	Model	Quantity required	Model	Quantity required
DRT2 Series Smart Slave MIL Connector Terminal Model									
16 inputs	DRT2-ID16ML	1 MIL connector (20)	NPN	A	1:1	XW2Z-□□□X	1	XW2B-□20G4	1
					1:1	XW2Z-□□□X	1	XW2B-□20G5	1
					1:1	XW2Z-□□□X	1	XW2D-□20G6	1
	DRT2-ID16ML-1	1 MIL connector (20)	PNP		1:1	XW2Z-□□□X	1	XW2B-□20G4	1
					1:1	XW2Z-□□□X	1	XW2B-□20G5	1
					1:1	XW2Z-□□□X	1	XW2D-□20G6	1
16 outputs	DRT2-OD16ML	1 MIL connector (20)	NPN	A	1:1	XW2Z-□□□X	1	XW2B-□20G4	1
					1:1	XW2Z-□□□X	1	XW2B-□20G5	1
					1:1	XW2Z-□□□X	1	XW2D-□20G6	1
	DRT2-OD16ML-1	1 MIL connector (20)	PNP		1:1	XW2Z-□□□X	1	XW2B-□20G4	1
					1:1	XW2Z-□□□X	1	XW2B-□20G5	1
					1:1	XW2Z-□□□X	1	XW2R-□20G6	1
32 inputs	DRT2-ID32ML	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-ID32ML-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
32 outputs	DRT2-OD32ML	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-OD32ML-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
16 inputs/ 16 outputs	DRT2-MD32ML	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-MD32ML-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

DeviceNet Slave				Connection pattern	XW2Z connection cable #1			XW2 Connector-terminal block conversion units #2	
I/O capacity	Model	External connectors	Polarity (transistor)		Connection	Model	Quantity required	Model	Quantity required
DRT2 Series Smart Slave Board Terminal MIL Connector Model (Parallel Mounting)									
32 inputs	DRT2-ID32B	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-ID32B-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
32 outputs	DRT2-OD32B	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-OD32B-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
16 inputs/ 16 outputs	DRT2-MD32B	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-MD32B-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
DRT2 Series Smart Slave Board Terminal MIL Connector Model (Perpendicular Mounting)									
32 inputs	DRT2-ID32BV	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-ID32BV-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
32 outputs	DRT2-OD32BV	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-OD32BV-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
32 inputs/ 32 outputs	DRT2-MD32BV	1 MIL connector (40)	NPN	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
	DRT2-MD32BV-1	1 MIL connector (40)	PNP	A	1:1	XW2Z-□□□K	1	XW2B-40G5	1
					1:1	XW2Z-□□□K	1	XW2B-40G4	1
					1:1	XW2Z-□□□K	1	XW2D-40G6	1

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Table of Connector-Terminal Block Conversion Units and connectable device combinations

DeviceNet Slave				Connection pattern	XW2Z connection cable *1			XW2 Connector-terminal block conversion units *2	
I/O capacity	Model	External connectors	Polarity (transistor)		Connection	Model	Quantity required	Model	Quantity required
Multiple I/O Terminal Connector Model Digital I/O Unit (Fujitsu Connector)									
16 inputs	GT1-ID16ML	1 Fujitsu connector (24)	NPN	A	1:1	XW2Z-□□□A	1	XW2B-□20G4	1
					1:1	XW2Z-□□□A	1	XW2B-□20G5	1
					1:1	XW2Z-□□□A	1	XW2D-□20G6	1
					1:1	XW2Z-□□□A	1	XW2E-20G5-IN16	1
	GT1-ID16ML-1	1 Fujitsu connector (24)	PNP		1:1	XW2Z-□□□A	1	XW2B-□20G4	1
					1:1	XW2Z-□□□A	1	XW2B-□20G5	1
					1:1	XW2Z-□□□A	1	XW2D-□20G6	1
					1:1	XW2Z-□□□A	1	XW2E-20G5-IN16	1
16 outputs	GT1-OD16ML	1 Fujitsu connector (24)	NPN	1:1	XW2Z-□□□A	1	XW2B-□20G4	1	
				1:1	XW2Z-□□□A	1	XW2B-□20G5	1	
				1:1	XW2Z-□□□A	1	XW2D-□20G6	1	
				1:1	XW2Z-□□□A	1	XW2E-20G5-IN16	1	
	GT1-OD16ML-1	1 Fujitsu connector (24)	PNP	1:1	XW2Z-□□□A	1	XW2B-□20G4	1	
				1:1	XW2Z-□□□A	1	XW2B-□20G5	1	
				1:1	XW2Z-□□□A	1	XW2D-□20G6	1	
				1:1	XW2Z-□□□A	1	XW2E-20G5-IN16	1	
Multiple I/O Terminal Multi-Point Connector Model Digital I/O Unit (Fujitsu Connector)									
32 inputs	GT1-ID32ML	1 Fujitsu connector (40)	NPN	A	1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2B-40G4	1
					1:1	XW2Z-□□□B	1	XW2D-40G6	1
	GT1-ID32ML-1	1 Fujitsu connector (40)	PNP		1:1	XW2Z-□□□B	1	XW2B-40G5	1
					1:1	XW2Z-□□□B	1	XW2B-40G4	1
					1:1	XW2Z-□□□B	1	XW2D-40G6	1
32 outputs	GT1-OD32ML	1 Fujitsu connector (40)	NPN	1:1	XW2Z-□□□B	1	XW2B-40G5	1	
				1:1	XW2Z-□□□B	1	XW2B-40G4	1	
				1:1	XW2Z-□□□B	1	XW2D-40G6	1	
	GT1-OD32ML-1	1 Fujitsu connector (40)	PNP	1:1	XW2Z-□□□B	1	XW2B-40G5	1	
				1:1	XW2Z-□□□B	1	XW2B-40G4	1	
				1:1	XW2Z-□□□B	1	XW2D-40G6	1	

*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z data sheet.

*2. "□" represents the connection method J, E, or P. J: Plus screw type, E: Minus screw type, P: Push-in type

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CSM_2_4

Cat. No. G129-E1-03

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