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

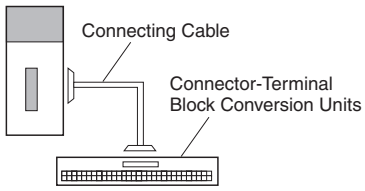
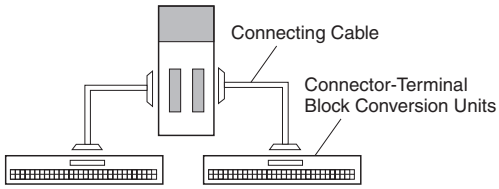
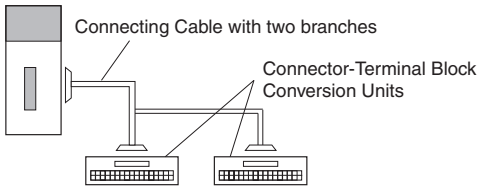
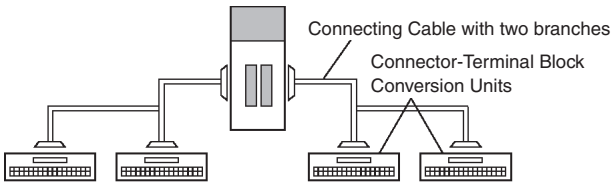
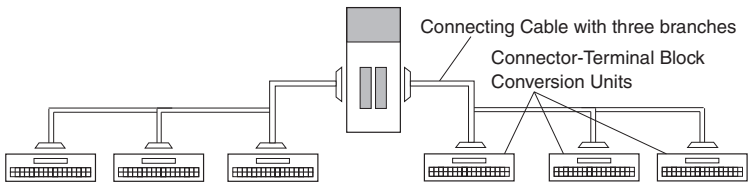
Pattern	Configuration
A	
B	
C	
D	
E	

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	A	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		1:1	XW2Z-□□□K	1	XW2R-□34GD-C4	1
				C	1:2	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	B	1:1	XW2Z-□□□A	1	XW2R-□20GD-T	1
			Outputs: NPN		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		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
			Outputs: NPN		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		1:1	XW2Z-□□□X	1	XW2R-□20GD-T	1
			Outputs: PNP		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).

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).

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).

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

(Continued on next page.)

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

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	XW2C-20G6-IO16	2
					1:2	XW2Z-□□□N	1	XW2D-20G6	2
					1:2	XW2Z-□□□N	1	XW2E-20G5-IN16	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

(Continued on next page.)

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
					1:2	XW2Z-□□□N	1	XW2D-20G6	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
					1:2	XW2Z-□□□N	1	XW2D-20G6	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

(Continued on next page.)

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
	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-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
	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	XW2B-20G4	1
					1:1	XW2Z-□□□X	1	XW2B-20G5	1
					1:1	XW2Z-□□□X	1	XW2D-20G6	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.

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
					1:1	XW2Z-□□□B	1	XW2D-40G6	1
				C	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
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
				C	1:2	XW2Z-□□□N	1	XW2C-20G5-IN16	2
					1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	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
					1:1	XW2Z-□□□K	1	XW2D-40G6	1
				C	1:2	XW2Z-□□□N	1	XW2C-20G5-IN16	2
					1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	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
					1:1	XW2Z-□□□B	2	XW2D-40G6	2
				D	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
					1:1	XW2Z-□□□K	2	XW2D-40G6	2
				D	1:2	XW2Z-□□□N	2	XW2C-20G5-IN16	4
					1:2	XW2Z-□□□N	2	XW2C-20G6-IO16	4

(Continued on next page.)

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
	CJ1W-OD233	1 MIL connector (40)	Sinking (NPN)		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-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	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
64 outputs	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
	CJ1W-OD262	2 MIL connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		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

(Continued on next page.)

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	XW2D-20G6	1
					1:1	XW2Z-□□□A	1	XW2C-20G5-IN16	1
			Outputs: Sinking (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
	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
				D	1:2	XW2Z-□□□D	1	XW2C-20G5-IN16	2
			Outputs: 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
				D	1:2	XW2Z-□□□L	1	XW2C-20G6-IO16	2
	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
					1:1	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.

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
					1:2	XW2Z-□□□D	1	XW2C-20G5-IN16	2
					1:2	XW2Z-□□□D	1	XW2E-20G5-IN16	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
					1:2	XW2Z-□□□D	2	XW2C-20G5-IN16	4
					1:2	XW2Z-□□□D	2	XW2E-20G5-IN16	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

(Continued on next page.)

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
					1:2	XW2Z-□□□L	1	XW2C-20G6-IO16	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
					1:2	XW2Z-□□□L	1	XW2C-20G6-IO16	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
					1:2	XW2Z-□□□L	2	XW2C-20G6-IO16	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
					1:2	XW2Z-□□□L	2	XW2C-20G6-IO16	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
				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
	CS1W-OD291	2 Fujitsu connectors (56) (2, 48-point connectors)	Sourcing (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

(Continued on next page.)

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
				D	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
					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
					1:2	XW2Z-□□□L	1	XW2C-20G6-IO16	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
				D	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
					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
					1:2	XW2Z-□□□L	1	XW2C-20G6-IO16	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
				E	1:3	XW2Z-□□□H-3	1	XW2D-20G6	3
					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
				E	1:3	XW2Z-□□□H-3	1	XW2D-20G6	3
					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.

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
					1:1	XW2Z-RO□C	1	XW2C-20G6-IO16	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
					1:1	XW2Z-RO□C	1	XW2C-20G6-IO16	1
16 outputs	DRT2-OD16ML	1 MIL connector (20)	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-RO□C	1	XW2C-20G6-IO16	1
	DRT2-OD16ML-1	1 MIL connector (20)	PNP		1:1	XW2Z-□□□X	1	XW2B-□20G4	1
					1:1	XW2Z-□□□X	1	XW2R-□20G5	1
					1:1	XW2Z-□□□X	1	XW2R-□20G6	1
					1:1	XW2Z-RO□C	1	XW2C-20G6-IO16	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2

(Continued on next page.)

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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2
	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
				C	1:2	XW2Z-□□□N	1	XW2C-20G6-IO16	2

(Continued on next page.)

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

Terms and Conditions Agreement

Read and understand this catalog.

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranties.

(a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.

(b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty.

See http://www.omron.com/global/ or contact your Omron representative for published information.

Limitation on Liability; Etc.

OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY.

Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

Suitability of Use.

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

Programmable Products.

Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

Performance Data.

Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

Change in Specifications.

Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

Errors and Omissions.

Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.

OMRON Corporation **Industrial Automation Company**
Kyoto, JAPAN
Contact: www.ia.omron.com

Regional Headquarters
OMRON EUROPE B.V.
Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands
Tel: (31)2356-81-300/Fax: (31)2356-81-388

OMRON ELECTRONICS LLC
2895 Greenspoint Parkway, Suite 200
Hoffman Estates, IL 60169 U.S.A.
Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

OMRON ASIA PACIFIC PTE. LTD.
No. 438A Alexandra Road # 05-05/08 (Lobby 2),
Alexandra Technopark,
Singapore 119967
Tel: (65) 6835-3011/Fax: (65) 6835-2711

OMRON (CHINA) CO., LTD.
Room 2211, Bank of China Tower,
200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

Authorized Distributor:

CSM_2_3_0518
Cat. No. G129-E1-02 0518(0317)