Table of I/O Relay Terminal and connectable device combinations
G70V/G7TC/G70A/G70D/G70R

This catalogue shows a table of the patterns and combinations in which I/O relay terminals 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

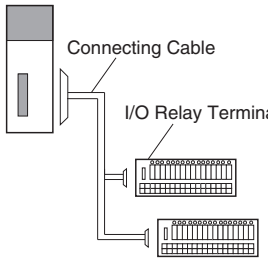
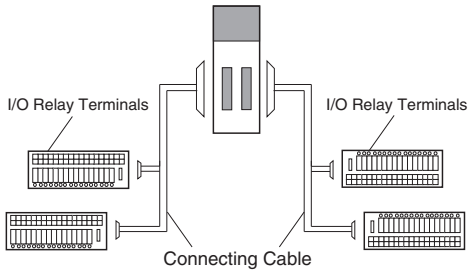
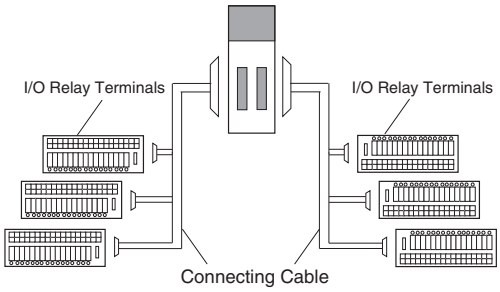
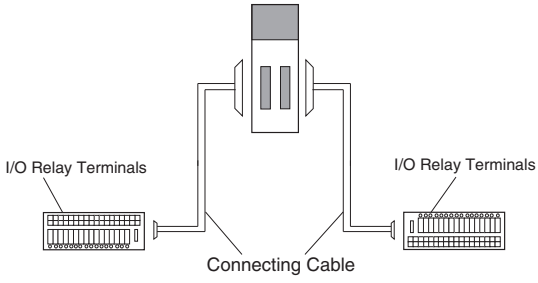
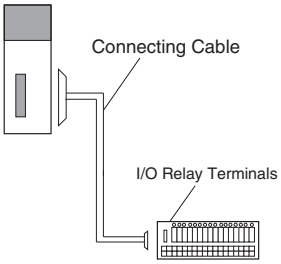
Pattern	Configuration
A	
B	
D	
E	
F	

Table of I/O Relay Terminal and connectable device combinations

Combinations with G70V

G70V
Combinations with the OMRON PLC NX Series

NX I/O Units				Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
16 inputs	NX-ID5142-5	1 MIL connector (20 p)	NPN or PNP	F	1:1	XW2Z-RO□C	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	1
32 inputs	NX-ID6142-5	1 MIL connector (40 p)	NPN or PNP	A	1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	NX-ID6142-6	1 Fujitsu connector (40 p)	NPN or PNP		1:2	XW2Z-RI□C-□	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
Output Units										
16 outputs	NX-OD5121-5	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□C	1	NPN outputs	G70V-SOC16P(-C4)	1
	NX-OD5256-5	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	PNP outputs	G70V-SOC16P-1(-C4)	1
32 outputs	NX-OD6121-5	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	2
	NX-OD6256-5	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	2
	NX-OD6121-6	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)	2
Mixed I/O Units										
16 inputs/ 16 outputs	NX-MD6121-6	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP	E	1:1	XW2Z-R□C	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	1
			Outputs: NPN		1:1	XW2Z-R□C	2	NPN outputs	G70V-SOC16P(-C4)	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-RO□C	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	1
			Outputs: NPN		1:1	XW2Z-RO□C	1	NPN outputs	G70V-SOC16P(-C4)	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-RO□C	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	1
			Outputs: PNP		1:1	XW2Z-RI□C	1	PNP outputs	G70V-SOC16P-1(-C4)	1

✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126).
✻2. Either NPN inputs or PNP inputs can be used.

G70V
Combinations with the OMRON PLC CJ Series

CJ1W I/O Units				Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
32 inputs	CJ1W-ID231	1 Fujitsu connector (40 p)	NPN	A	1:2	XW2Z-RI□C-□	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	CJ1W-ID232	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	CJ1W-ID233	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	NPN	B	1:2	XW2Z-RI□C-□	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	4
	CJ1W-ID262	2 MIL connectors (40 p) (2, 32-point connectors)	NPN		1:2	XW2Z-RO□-□-D1	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	4
Output Units										
32 outputs	CJ1W-OD231	1 Fujitsu connector (40 p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)	2
	CJ1W-OD233	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	2
	CJ1W-OD232	1 MIL connector (40 p)	Sourcing (PNP)		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	2
	CJ1W-OD234	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	2
64 outputs	CJ1W-OD261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G70V-SOC16P(-C4)	4
	CJ1W-OD262	2 MIL connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□-□-D1	2	PNP outputs	G70V-SOC16P-1(-C4)	4
	CJ1W-OD263	2 MIL connectors (40 p) (2, 32-point connectors)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	2	NPN outputs	G70V-SOC16P(-C4)	4
Mixed I/O Units										
16 inputs/ 16 outputs	CJ1W-MD231	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Sinking (NPN)	E	1:1	XW2Z-R□C	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	1
					1:1	XW2Z-R□C	2	NPN outputs	G70V-SOC16P(-C4)	1
	CJ1W-MD233	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Sinking (NPN)		1:1	XW2Z-RO□C	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70V-SOC16P(-C4)	1
	CJ1W-MD232	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Sourcing (PNP)		1:1	XW2Z-RO□C	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	1
					1:1	XW2Z-RI□C	1	PNP outputs	G70V-SOC16P-1(-C4)	1
32 inputs/ 32 outputs	CJ1W-MD261	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Sinking (NPN)	B	1:2	XW2Z-RI□C-□	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)	2
	CJ1W-MD263	2 MIL connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	2

✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126).
✻2. Either NPN inputs or PNP inputs can be used.

Table of I/O Relay Terminal and connectable device combinations

G70V
Combinations with the OMRON PLC CS Series

CS1W I/O Units				Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units DC Input Units										
32 inputs	CS1W-ID231	1 Fujitsu connector (40 p)	NPN	A	1:2	XW2Z-RI□C-□	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
64 inputs	CS1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	NPN	B	1:2	XW2Z-RI□C-□	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	4
96 inputs	CS1W-ID291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	NPN	D	1:3	XW2Z-R□C-□-□	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	6
Output Units Transistor Output Units										
32 outputs	CS1W-OD231	1 Fujitsu connector (40 p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)	2
	CS1W-OD232	1 Fujitsu connector (40 p)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	1	PNP outputs	G70V-SOC16P-1(-C4)	2
64 outputs	CS1W-OD261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G70V-SOC16P(-C4)	4
	CS1W-OD262	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	2	PNP outputs	G70V-SOC16P-1(-C4)	4
96 outputs	CS1W-OD291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sinking (NPN)	D	1:3	XW2Z-R□C-□-□	2	NPN outputs	G70V-SOC16P(-C4)	6
Mixed I/O Units DC Transistor Output Units										
32 inputs/ 32 outputs	CS1W-MD261	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Sinking (NPN)	B	1:2	XW2Z-RI□C-□	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)	2
	CS1W-MD262	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Sourcing (PNP)		1:2	XW2Z-RI□C-□	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
					1:2	XW2Z-RO□C-□	1	PNP outputs	G70V-SOC16P-1(-C4)	2
48 inputs/ 48 outputs	CS1W-MD291	2 Fujitsu connectors (56 p) (1 for 48 inputs and 1 for 48 outputs)	Sinking (NPN)	D	1:3	XW2Z-R□C-□-□	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	3
					1:3	XW2Z-R□C-□-□	2	NPN outputs	G70V-SOC16P(-C4)	3
	CS1W-MD292	2 Fujitsu connectors (56 p) (1 for 48 inputs and 1 for 48 outputs)	Sourcing (PNP)		1:3	XW2Z-R□C-□-□	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	3
					1:3	---	---	---	---	---

✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻2. Either NPN inputs or PNP inputs can be used.

●To connect to the OMRON PLC I/O Units, check the manual for the destination PLC.

Series	Model	Manual No.	Manual
CJ2	CJ2H-CPU6□-EIP, CJ2H-CPU6□, CJ2M-CPU□□	W472	CJ Series CJ2H/CJ2M User's Manual Hardware
NJ	NJ501-□□□□	W500	NJ Series CPU Units User's Manual Hardware
NX	NX-ID□□□□, NX-IA□□□□, NX-OD□□□□, NX-OC□□□□, NX-MD□□□□	W521	NX Series Digital I/O Units User's Manual

G70V
Combinations with the Mitsubishi PLC MELSEC-L Series, MELSEC-Q Series, and MELSEC iQ-R Series

PLC I/O Units				Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
32 inputs	LX41C4	1 Fujitsu connector (40 p)	NPN or PNP	A	1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	QX41/ QX41-S1/ QX41-S2									
	QX71									
	RX41C4									
64 inputs	LX42C4	2 Fujitsu connectors (40 p)		B	1:2	XW2Z-RI□□□-□□MN	2	Inputs ✻2	G70V-SID16P(-1)(-C16)	4
	QX42/ QX42-S1									
	QX82/ QX82-S1									
	RX42C4									
Output Units										
32 outputs	LY41NT1P	1 Fujitsu connector (40 p)	NPN	A	1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70V-SOC16P(-C4)	2
	QY41P									
	QY71									
	RY41NT2P									
	LY41PT1P	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RO□□□-□□MN	1	PNP outputs	G70V-SOC16P-1(-C4)	2
	RY41PT1P									
	RY41PT2H									
64 outputs	LY42NT1P	2 Fujitsu connectors (40 p)	NPN	B	1:2	XW2Z-RO□□□-□□MN	2	NPN outputs	G70V-SOC16P(-C4)	4
	RY42NT2P									
	QY42P									
	LY42PT1P	2 Fujitsu connectors (40 p)	PNP		1:2	XW2Z-RO□□□-□□MN	2	PNP outputs	G70V-SOC16P-1(-C4)	4
	RY42PT1P									
	QY82P									
Mixed I/O Units										
32 inputs/ 32 outputs	RH42C4NT2P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP	B	1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	RH42C4NT2P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70V-SOC16P(-C4)	2
	QH42P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	QH42P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70V-SOC16P(-C4)	2
	QX41Y41P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	QX41Y41P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70V-SOC16P(-C4)	2
	LH42C4NT1P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	LH42C4NT1P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70V-SOC16P(-C4)	2
	LH42C4PT1P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G70V-SID16P(-1)(-C16)	2
	LH42C4PT1P (Outputs)		PNP		1:2	XW2Z-RO□□□-□□MN	1	PNP outputs	G70V-SOC16P-1(-C4)	2

Note: Cables that can be connected to the QX81, QX81-S2, and QY81P have not been prepared.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻2. Either NPN inputs or PNP inputs can be used.

Table of I/O Relay Terminal and connectable device combinations

G70V
Combinations with the OMRON DeviceNet Slaves

DeviceNet Slaves				Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
I/O capacity	DRT2-□ML/B/BV,GT1-□ML				XW2Z-R			G70V		
	Model	External connectors	Polarity (Transistor)		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Smart Slave DRT2-series MIL connector terminal										
16 inputs	DRT2-ID16ML	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RI□C	1	NPN inputs	G70V-SID16P(-C16)	1
	DRT2-ID16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	PNP inputs	G70V-SID16P-1(-C16)	1
16 outputs	DRT2-OD16ML	1 MIL connector (20 p)	NPN		1:1	XW2Z-RO□C	1	NPN outputs	G70V-SOC16P(-C4)	1
	DRT2-OD16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	PNP outputs	G70V-SOC16P-1(-C4)	1
32 inputs	DRT2-ID32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	NPN inputs	G70V-SID16P(-C16)	2
	DRT2-ID32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	DRT2-OD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	2
	DRT2-OD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	2
16 inputs/ 16 outputs	DRT2-MD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN inputs	G70V-SID16P(-C16)	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	1
	DRT2-MD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	G70V-SID16P-1(-C16)	1
					1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	1
Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)										
32 inputs	DRT2-ID32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	NPN inputs	G70V-SID16P(-C16)	2
	DRT2-ID32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	DRT2-OD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	2
16 inputs/ 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN inputs	G70V-SID16P(-C16)	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	1
	DRT2-MD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	G70V-SID16P-1(-C16)	1
					1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	1
Smart Slave DRT2-series board terminal MIL connector type (Vertical type)										
32 inputs	DRT2-ID32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	NPN inputs	G70V-SID16P(-C16)	2
	DRT2-ID32BV1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	DRT2-OD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	2
16 inputs/ 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN inputs	G70V-SID16P(-C16)	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70V-SOC16P(-C4)	1
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	G70V-SID16P-1(-C16)	1
					1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70V-SOC16P-1(-C4)	1

✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

Table of I/O Relay Terminal and connectable device combinations

DeviceNet Slaves				Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
I/O capacity	DRT2-□ML/B/BV,GT1-□ML				XW2Z-R			G70V		
	Model	External connectors	Polarity (Transistor)		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)										
16 inputs	GT1-ID16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	NPN inputs	G70V-SID16P(-C16)	1
	GT1-ID16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	PNP inputs	G70V-SID16P-1(-C16)	1
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN		1:1	XW2Z-R□C	1	NPN outputs	G70V-SOC16P(-C4)	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	PNP outputs	G70V-SOC16P-1	1
Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)										
32 inputs	GT1-ID32ML	1 Fujitsu connector (40 p)	NPN	F	1:2	XW2Z-RI□C-□	1	NPN inputs	G70V-SID16P(-C16)	2
	GT1-ID32ML-1	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RI□C-□	1	PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	GT1-OD32ML	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)	2
	GT1-OD32ML-1	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RO□C-□	1	PNP outputs	G70V-SOC16P-1(-C4)	2

✻**1.** The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

Table of I/O Relay Terminal and connectable device combinations

Combinations with G7TC

G7TC
Combinations with the OMRON PLC NX Series

NX I/O Units				Connection pattern	XW2Z-R Cables			G7TC I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
16 inputs	NX-ID5142-5	1 MIL connector (20 p)	NPN or PNP	F	1:1	XW2Z-RO□C	1	NPN Inputs	G7TC-IA16/ID16	1
32 inputs	NX-ID6142-5	1 MIL connector (40 p)	NPN or PNP	A	1:2	XW2Z-RO□-□-D1	1	NPN Inputs	G7TC-IA16/ID16	2
	NX-ID6142-6	1 Fujitsu connector (40 p)	NPN or PNP		1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
Output Units										
16 outputs	NX-OD5121-5	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□C	1	NPN outputs	G7TC-OC16	1
	NX-OD5256-5	1 MIL connector (20 p)	PNP		1:1	XW2Z-RI□C	1	PNP outputs	G7TC-OC16-1	1
32 outputs	NX-OD6121-5	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G7TC-OC16	2
	NX-OD6256-5	1 MIL connector (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	2
	NX-OD6121-6	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G7TC-OC16	2
Mixed I/O Units										
16 inputs/ 16 outputs	NX-MD6121-6	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP	E	1:1	XW2Z-R□C	1	NPN Inputs	G7TC-IA16/ID16	1
			Outputs: NPN		1:1	XW2Z-R□C	1	NPN outputs	G7TC-OC16	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-RO□C	1	NPN Inputs	G7TC-IA16/ID16	1
			Outputs: NPN		1:1	XW2Z-RO□C	1	NPN outputs	G7TC-OC16	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-RO□C	1	NPN Inputs	G7TC-IA16/ID16	1
			Outputs: PNP		1:1	XW2Z-RO□C	1	PNP outputs	G7TC-OC16-1	1

Note: The G7TC-OC08 8-output type is also available.

✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

G7TC
Combinations with the OMRON PLC CJ Series

CJ1W I/O Units				Connection pattern	XW2Z-R Cables			G7TC I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
32 inputs	CJ1W-ID231	1 Fujitsu connector (40 p)	NPN or PNP	A	1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
	CJ1W-ID232	1 MIL connector (40 p)	NPN or PNP		1:2	XW2Z-RO□-□-D1	1	NPN Inputs	G7TC-IA16/ID16	2
	CJ1W-ID233	1 MIL connector (40 p)	NPN or PNP		1:2	XW2Z-RO□-□-D1	1	NPN Inputs	G7TC-IA16/ID16	2
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	NPN or PNP	B	1:2	XW2Z-RI□C-□	2	NPN Inputs	G7TC-IA16/ID16	4
	CJ1W-ID262	2 MIL connectors (40p) (2, 32-point connectors)	NPN or PNP		1:2	XW2Z-RO□-□-D1	2	NPN Inputs	G7TC-IA16/ID16	4
Output Units										
32 outputs	CJ1W-OD231	1 Fujitsu connector (40 p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G7TC-OC16	2
	CJ1W-OD233	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G7TC-OC16	2
	CJ1W-OD232	1 MIL connector (40 p)	Sourcing (PNP)		1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	2
	CJ1W-OD234	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G7TC-OC16	2
64 outputs	CJ1W-OD261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G7TC-OC16	4
	CJ1W-OD262	2 MIL connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RI□-□-D1	2	PNP outputs	G7TC-OC16-1	4
	CJ1W-OD263	2 MIL connectors (40 p) (2, 32-point connectors)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	2	NPN outputs	G7TC-OC16	4
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/Sourcing (NPN or PNP)	E	1:1	XW2Z-R□C	1	NPN Inputs	G7TC-IA16/ID16	1
			Outputs: Sinking (NPN)		1:1	XW2Z-R□C	1	NPN outputs	G7TC-OC16	1
	CJ1W-MD233	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-RO□C	1	NPN Inputs	G7TC-IA16/ID16	1
			Outputs: Sinking (NPN)		1:1	XW2Z-RO□C	1	NPN outputs	G7TC-OC16	1
	CJ1W-MD232	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-RO□C	1	NPN Inputs	G7TC-IA16/ID16	1
			Outputs: Sourcing (PNP)		1:1	XW2Z-RO□C	1	PNP outputs	G7TC-OC16-1	1
32 inputs/ 32 outputs	CJ1W-MD261	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	B	1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□C-□	1	NPN outputs	G7TC-OC16	2
	CJ1W-MD263	2 MIL connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		1:2	XW2Z-RO□-□-D1	1	NPN Inputs	G7TC-IA16/ID16	2
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G7TC-OC16	2

Note: The G7TC-OC08 8-output type is also available.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

Table of I/O Relay Terminal and connectable device combinations

G7TC
Combinations with the OMRON PLC CS Series

CS1W I/O Units				Connection pattern	XW2Z-R Cables			G7TC I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
32 inputs	CS1W-ID231	1 Fujitsu connector (40 p)	NPN or PNP	A	1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
64 inputs	CS1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	NPN or PNP	B	1:2	XW2Z-RI□C-□	2	NPN Inputs	G7TC-IA16/ID16	4
96 inputs	CS1W-ID291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	NPN or PNP	D	1:3	XW2Z-R□C-□-□	2	NPN Inputs	G7TC-IA16/ID16	6
Output Units Transistor Output Units										
32 outputs	CS1W-OD231	1 Fujitsu connector (40 p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G7TC-OC16	2
	CS1W-OD232	1 Fujitsu connector (40 p)	Sourcing (PNP)		1:2	---	1	PNP outputs	G7TC-OC16-1	2
64 outputs	CS1W-OD261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G7TC-OC16	4
	CS1W-OD262	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	---	2	PNP outputs	G7TC-OC16-1	4
96 outputs	CS1W-OD291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sinking (NPN)	D	1:3	XW2Z-R□C-□-□	2	NPN outputs	G7TC-OC16	6
	CS1W-OD292	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sourcing (PNP)		1:3	XW2Z-R□C-□-□	2	PNP outputs	G7TC-OC16-1	6
Mixed I/O Units DC Transistor Output Units										
32 inputs/ 32 outputs	CS1W-MD261	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	B	1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□C-□	1	NPN outputs	G7TC-OC16	2
	CS1W-MD262	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
			Outputs: Sourcing (PNP)		1:2	---	1	PNP outputs	G7TC-OC16-1	2
48 inputs/ 48 outputs	CS1W-MD291	2 Fujitsu connectors (56 p) (1 for 48 inputs and 1 for 48 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	D	1:3	XW2Z-R□C-□-□	1	NPN Inputs	G7TC-IA16/ID16	3
			Outputs: Sinking (NPN)		1:3	XW2Z-R□C-□-□	1	NPN outputs	G7TC-OC16	3
	CS1W-MD292	2 Fujitsu connectors (56 p) (1 for 48 inputs and 1 for 48 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		1:3	XW2Z-R□C-□-□	1	NPN Inputs	G7TC-IA16/ID16	3
			Outputs: Sourcing (PNP)		1:3	XW2Z-R□C-□-□	1	PNP outputs	G7TC-OC16-1	3

Note: The G7TC-OC08 8-output type is also available.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

●To connect to the OMRON PLC I/O Units, check the manual for the destination PLC.

Series	Model	Manual No.	Manual
CJ2	CJ2H-CPU6□-EIP, CJ2H-CPU6□, CJ2M-CPU□□	W472	CJ Series CJ2H/CJ2M User's Manual Hardware
NJ	NJ501-□□□□	W500	NJ Series CPU Units User's Manual Hardware
NX	NX-ID□□□□, NX-IA□□□□, NX-OD□□□□, NX-OC□□□□, NX-MD□□□□	W521	NX Series Digital I/O Units User's Manual

G7TC

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

PLC I/O Units				Connection pattern	XW2Z-R Cables			G7TC I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
32 inputs	LX41C4	1 Fujitsu connector (40 p)	NPN or PNP	A	1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G7TC-ID16/IA16	2
	QX41/ QX41-S1/ QX41-S2									
	QX71									
	RX41C4									
64 inputs	LX42C4	2 Fujitsu connectors (40 p)		B	1:2	XW2Z-RI□□□-□□MN	2	Inputs ✻2	G7TC-ID16/IA16	4
	QX42/ QX42-S1									
	QX82/ QX82-S1									
	RX42C4									
Output Units										
32 outputs	LY41NT1P	1 Fujitsu connector (40 p)	NPN	A	1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G7TC-OC16	2
	QY41P									
	QY71									
	RY41NT2P									
	LY41PT1P	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RO□□□-□□MN	1	---	---	---
	RY41PT1P									
	RY41PT2H									
64 outputs	LY42NT1P	2 Fujitsu connectors (40 p)	NPN	B	1:2	XW2Z-RO□□□-□□MN	2	NPN outputs	G7TC-OC16	4
	RY42NT2P									
	QY42P									
	LY42PT1P	2 Fujitsu connectors (40 p)	PNP		1:2	XW2Z-RO□□□-□□MN	2	---	---	---
	RY42PT1P									
	QY82P									
Mixed I/O Units										
32 inputs/ 32 outputs	RH42C4NT2P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP	B	1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G7TC-ID16/IA16	2
	RH42C4NT2P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G7TC-OC16	2
	QH42P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G7TC-ID16/IA16	2
	QH42P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G7TC-OC16	2
	QX41Y41P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G7TC-ID16/IA16	2
	QX41Y41P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G7TC-OC16	2
	LH42C4NT1P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G7TC-ID16/IA16	2
	LH42C4NT1P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G7TC-OC16	2
	LH42C4PT1P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	Inputs ✻2	G7TC-ID16/IA16	2
	LH42C4PT1P (Outputs)		PNP		1:2	XW2Z-RO□□□-□□MN	1	---	---	---

Note: Cables that can be connected to the QX81, QX81-S2, and QY81P have not been prepared.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻2. Either NPN inputs or PNP inputs can be used.

Table of I/O Relay Terminal and connectable device combinations

G7TC
Combinations with the OMRON DeviceNet Slaves

DeviceNet Slaves				Connection pattern	XW2Z-R Cables			G7TC I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input unit Smart Slave DRT2-series MIL connector terminal										
16 inputs	DRT2-ID16ML	1 MIL connectors (20 p)	NPN	F	1:1	XW2Z-RI□C	1	NPN inputs	G7TC-IA16/ID16	1
	DRT2-ID16ML-1	1 MIL connectors (20 p)	PNP		---	---	---	PNP inputs	No connectable models	
16 outputs	DRT2-OD16ML	1 MIL connectors (20 p)	NPN		1:1	XW2Z-RO□C	1	NPN outputs	G7TC-OC16	1
	DRT2-OD16ML-1	1 MIL connectors (20 p)	PNP		1:1	XW2Z-RI□C	1	PNP outputs	G7TC-OC16-1	1
32 inputs	DRT2-ID32ML	1 MIL connectors (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	NPN inputs	G7TC-IA16/ID16	2
	DRT2-ID32ML-1	1 MIL connectors (40 p)	PNP		---	---	---	PNP inputs	No connectable models	
32 outputs	DRT2-OD32ML	1 MIL connectors (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G7TC-OC16	2
	DRT2-OD32ML-1	1 MIL connectors (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	2
16 inputs/ 16 outputs	DRT2-MD32ML	1 MIL connectors (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN inputs	G7TC-IA16/ID16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G7TC-OC16	1
	DRT2-MD32ML-1	1 MIL connectors (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	PNP inputs	No connectable models	
					1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	1
Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)										
32 inputs	DRT2-ID32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	NPN inputs	G7TC-IA16/ID16	2
	DRT2-ID32B-1	1 MIL connector (40 p)	PNP		---	---	---	PNP inputs	No connectable models	
32 outputs	DRT2-OD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G7TC-OC16	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	2
16 inputs/ 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN inputs	G7TC-IA16/ID16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G7TC-OC16	1
	DRT2-MD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	PNP inputs	No connectable models	
					1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	1

Note: The G7TC-OC08 8-output type is also available.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

Table of I/O Relay Terminal and connectable device combinations

DeviceNet Slaves				Connection pattern	XW2Z-R Cables			G7TC I/O Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Smart Slave DRT2-series board terminal MIL connector type (Vertical type)										
32 inputs	DRT2-ID32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	NPN inputs	G7TC-IA16/ID16	2
	DRT2-ID32BV-1	1 MIL connector (40 p)	PNP		---	---	---	PNP inputs	No connectable models	
32 outputs	DRT2-OD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G7TC-OC16	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	2
16 inputs/ 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN inputs	G7TC-IA16/ID16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G7TC-OC16	1
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	PNP inputs	No connectable models	
					1:2	XW2Z-RI□-□-D1	1	PNP outputs	G7TC-OC16-1	1
Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)										
16 inputs	GT1-ID16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	NPN inputs	G7TC-IA16/ID16	1
	GT1-ID16ML-1	1 Fujitsu connector (24 p)	PNP		---	---	---	PNP inputs	No connectable models	
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN		1:1	XW2Z-R□C	1	NPN outputs	G7TC-OC16	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	---	1	PNP outputs	G7TC-OC16-1	1
Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)										
32 inputs	GT1-ID32ML	1 Fujitsu connector (24 p)	NPN	F	1:2	XW2Z-RI□C-□	1	NPN inputs	G7TC-IA16/ID16	2
	GT1-ID32ML-1	1 Fujitsu connector (24 p)	PNP		---	---	---	PNP inputs	No connectable models	
32 outputs	GT1-OD32ML	1 Fujitsu connector (24 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G7TC-OC16	2
	GT1-OD32ML-1	1 Fujitsu connector (24 p)	PNP		1:2	---	1	PNP outputs	G7TC-OC16-1	2

Note: The G7TC-OC08 8-output type is also available.

✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

Table of I/O Relay Terminal and connectable device combinations

Combinations with G70A

G70A (Socket types)
Combinations with the OMRON PLC NX Series

NX I/O Units				Connection pattern	XW2Z-R Cables			G70A-ZOC16 I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
16 inputs	NX-ID5142-5	1 MIL connector (20 p)	NPN or PNP	F	1:1	XW2Z-RO□C	1	Inputs ✻2	---	---
32 inputs	NX-ID6142-5	1 MIL connector (40 p)	NPN or PNP	A	1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	---	---
	NX-ID6142-6	1 Fujitsu connector (40p)	NPN or PNP		1:2	XW2Z-RI□C-□	1	Inputs ✻2	---	---
Output Units										
16 outputs	NX-OD5121-5	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□C	1	NPN outputs	G70A-ZOC16-3	1
	NX-OD5256-5	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	PNP outputs	G70A-ZOC16-4	1
32 outputs	NX-OD6121-5	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-3	2
	NX-OD6256-5	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	2
	NX-OD6121-6	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	2
Mixed I/O Units										
16 inputs/ 16 outputs	NX-MD6121-6	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP Outputs: NPN	E	1:1	XW2Z-R□C	2	Inputs ✻2	---	---
					1:1	XW2Z-R□C	2	NPN outputs	G70A-ZOC16-3	1
	NX-MD6121-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP Outputs: NPN		1:1	XW2Z-RO□C	1	Inputs ✻2	---	---
					1:1	XW2Z-RO□C	1	NPN outputs	G70A-ZOC16-3	1
	NX-MD6256-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP Outputs: PNP		1:1	XW2Z-RO□C	1	Inputs ✻2	---	---
					1:1	XW2Z-RI□C	1	PNP outputs	G70A-ZOC16-4	1

Note: On the G70A I/O terminal socket, the mounted relay is an option.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126).
✻2. Either NPN inputs or PNP inputs can be used.

G70A (Socket types)
Combinations with the OMRON PLC CJ Series

CJ1W I/O Units				Connection pattern	XW2Z-R Cables			G70A-ZOC16 I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
32 inputs	CJ1W-ID231	1 Fujitsu connector (40p)	NPN	A	1:2	XW2Z-RI□C-□	1	Inputs ✻2	---	---
	CJ1W-ID232	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	---	---
	CJ1W-ID233	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	---	---
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40p) (2, 32-point connectors)	NPN	B	1:2	XW2Z-RI□C-□	2	Inputs ✻2	---	---
	CJ1W-ID262	2 MIL connectors (40 p) (2, 32-point connectors)	NPN		1:2	XW2Z-RO□-□-D1	2	Inputs ✻2	---	---
Output Units										
32 outputs	CJ1W-OD231	1 Fujitsu connector (40p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	2
	CJ1W-OD233	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-3	2
	CJ1W-OD232	1 MIL connector (40 p)	Sourcing (PNP)		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	2
	CJ1W-OD234	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-3	2
64 outputs	CJ1W-OD261	2 Fujitsu connectors (40p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G70A-ZOC16-3	2
	CJ1W-OD262	2 MIL connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□-□-D1	2	PNP outputs	G70A-ZOC16-4	2
	CJ1W-OD263	2 MIL connectors (40 p) (2, 32-point connectors)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	2	NPN outputs	G70A-ZOC16-3	2
Mixed I/O Units										
16 inputs/ 16 outputs	CJ1W-MD231	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Sinking (NPN)	E	1:1	XW2Z-R□C	2	Inputs ✻2	---	---
					1:1	XW2Z-R□C	2	NPN outputs	G70A-ZOC16-3	1
	CJ1W-MD233	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Sinking (NPN)		1:1	XW2Z-RO□C	1	Inputs ✻2	---	---
					1:1	XW2Z-RO□C	1	NPN outputs	G70A-ZOC16-3	1
	CJ1W-MD232	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Sourcing (PNP)		1:1	XW2Z-RO□C	1	Inputs ✻2	---	---
					1:1	XW2Z-RI□C	1	PNP outputs	G70A-ZOC16-4	1
32 inputs/ 32 outputs	CJ1W-MD261	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Sinking (NPN)	B	1:2	XW2Z-RI□C-□	1	Inputs ✻2	---	---
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	1
	CJ1W-MD263	2 MIL connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	Inputs ✻2	---	---
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-4	2

Note: On the G70A I/O terminal socket, the mounted relay is an option.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126).
✻2. Either NPN inputs or PNP inputs can be used.

Table of I/O Relay Terminal and connectable device combinations

G70A (Socket types)
Combinations with the OMRON PLC CS Series

CS1W I/O Units				Connection pattern	XW2Z-R Cables			G70A-ZOC16 I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units DC Input Units										
32 inputs	CS1W-ID231	1 Fujitsu connector (40 p)	NPN	A	1:2	XW2Z-RI□C-□	1	Inputs ✻2	---	---
64 inputs	CS1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	NPN	B	1:2	XW2Z-RI□C-□	2	Inputs ✻2	---	---
96 inputs	CS1W-ID291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	NPN	D	1:3	XW2Z-R□C-□-□	2	Inputs ✻2	---	---
Output Units Transistor Output Units										
32 outputs	CS1W-OD231	1 Fujitsu connector (40 p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	2
	CS1W-OD232	1 Fujitsu connector (40 p)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	1	PNP outputs	G70A-ZOC16-4	2
64 outputs	CS1W-OD261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G70A-ZOC16-3	4
	CS1W-OD262	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	2	PNP outputs	G70A-ZOC16-4	4
96 outputs	CS1W-OD291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sinking (NPN)	D	1:3	XW2Z-R□C-□-□	2	NPN outputs	G70A-ZOC16-3	6
Mixed I/O Units DC Transistor Output Units										
32 inputs/ 32 outputs	CS1W-MD261	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Sinking (NPN)	B	1:2	XW2Z-RI□C-□	1	Inputs ✻2	---	---
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	1
	CS1W-MD262	2 Fujitsu connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Sourcing (PNP)		1:2	XW2Z-RI□C-□	1	Inputs ✻2	---	---
					1:2	XW2Z-RO□C-□	1	PNP outputs	G70A-ZOC16-4	2
48 inputs/ 48 outputs	CS1W-MD291	2 Fujitsu connectors (56 p) (1 for 48 inputs and 1 for 48 outputs)	Sinking (NPN)	D	1:3	XW2Z-R□C-□-□	2	Inputs ✻2	---	---
					1:3	XW2Z-R□C-□-□	2	NPN outputs	G70A-ZOC16-3	3
	CS1W-MD292	2 Fujitsu connectors (56 p) (1 for 48 inputs and 1 for 48 outputs)	Sourcing (PNP)		1:3	XW2Z-R□C-□-□	1	Inputs ✻2	---	---
					1:3	---	---	---	---	---

Note: On the G70A I/O terminal socket, the mounted relay is an option.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻2. Either NPN inputs or PNP inputs can be used.

●To connect to the OMRON PLC I/O Units, check the manual for the destination PLC.

Series	Model	Manual No.	Manual
CJ2	CJ2H-CPU6□-EIP, CJ2H-CPU6□, CJ2M-CPU□□	W472	CJ Series CJ2H/CJ2M User's Manual Hardware
NJ	NJ501-□□□□	W500	NJ Series CPU Units User's Manual Hardware
NX	NX-ID□□□□, NX-IA□□□□, NX-OD□□□□, NX-OC□□□□, NX-MD□□□□	W521	NX Series Digital I/O Units User's Manual

G70A (Socket types)

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

PLC I/O Units				Connection pattern	XW2Z-R Cables			G70A-ZOC16 I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input Units										
32 inputs	LX41C4	1 Fujitsu connector (40 p)	NPN or PNP	A	1:2	XW2Z-RI□□□-□□MN	1	---	---	---
	QX41/ QX41-S1/ QX41-S2									
	QX71									
	RX41C4									
64 inputs	LX42C4	2 Fujitsu connectors (40 p)		B	1:2	XW2Z-RI□□□-□□MN	2	---	---	---
	QX42/ QX42-S1									
	QX82/ QX82-S1									
	RX42C4									
Output Units										
32 outputs	LY41NT1P	1 Fujitsu connector (40 p)	NPN	A	1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70A-ZOC16-3	2
	QY41P									
	QY71									
	RY41NT2P									
	LY41PT1P	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RO□□□-□□MN	1	PNP outputs	G70A-ZOC16-4	2
	RY41PT1P									
	RY41PT2H									
64 outputs	LY42NT1P	2 Fujitsu connectors (40 p)	NPN	B	1:2	XW2Z-RO□□□-□□MN	2	NPN outputs	G70A-ZOC16-3	4
	RY42NT2P									
	QY42P									
	LY42PT1P	2 Fujitsu connectors (40 p)	PNP		1:2	XW2Z-RO□□□-□□MN	2	PNP outputs	G70A-ZOC16-4	4
	RY42PT1P									
	QY82P									
Mixed I/O Units										
32 inputs/ 32 outputs	RH42C4NT2P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP	B	1:2	XW2Z-RI□□□-□□MN	1	---	---	---
	RH42C4NT2P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70A-ZOC16-3	2
	QH42P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	---	---	---
	QH42P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70A-ZOC16-3	2
	QX41Y41P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	---	---	---
	QX41Y41P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70A-ZOC16-3	2
	LH42C4NT1P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	---	---	---
	LH42C4NT1P (Outputs)		NPN		1:2	XW2Z-RO□□□-□□MN	1	NPN outputs	G70A-ZOC16-3	2
	LH42C4PT1P (Inputs)	2 Fujitsu connectors (40 p)	NPN or PNP		1:2	XW2Z-RI□□□-□□MN	1	---	---	---
	LH42C4PT1P (Outputs)		PNP		1:2	XW2Z-RO□□□-□□MN	1	PNP outputs	G70A-ZOC16-4	2

Note: Cables that can be connected to the QX81, QX81-S2, and QY81P have not been prepared.

✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

Table of I/O Relay Terminal and connectable device combinations

G70A (Socket types)
Combinations with the OMRON DeviceNet Slaves

DeviceNet Slaves				Connection pattern	XW2Z-R Cables			G70A-ZOC16 I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Smart Slave DRT2-series MIL connector terminal										
16 outputs	DRT2-OD16ML	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□C	1	NPN outputs	G70A-ZOC16-3	1
	DRT2-OD16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	PNP outputs	G70A-ZOC16-4	1
32 outputs	DRT2-OD32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-3	2
	DRT2-OD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	2
16 inputs/ 16 outputs	DRT2-MD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70A-ZOC16-3	1
	DRT2-MD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	1
Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)										
32 outputs	DRT2-OD32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-3	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	2
16 inputs/ 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70A-ZOC16-3	1
	DRT2-MD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	1
Smart Slave DRT2-series board terminal MIL connector type (Vertical type)										
32 outputs	DRT2-OD32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-3	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	2
16 inputs/ 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70A-ZOC16-3	1
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70A-ZOC16-4	1
Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)										
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	NPN outputs	G70A-ZOC16-3	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	PNP outputs	G70A-ZOC16-4	1
Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)										
32 outputs	GT1-OD32ML	1 Fujitsu connector (40 p)	NPN	F	1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	2
	GT1-OD32ML-1	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RO□C-□	1	PNP outputs	G70A-ZOC16-4	2

Note: On the G70A I/O terminal socket, the mounted relay is an option.
✻**1.** The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)

Combinations with G70D/G70R

G70D/G70R
Combinations with the OMRON PLC NX Series

NX I/O Units				Connection pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Output Units										
16 outputs	NX-OD5121-5	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC16/FOM16	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC08 ✻2	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70R-SOC08 ✻2	1
	NX-OD5256-5	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	PNP outputs	G70D-SOC16-1/FOM16-1	1
32 outputs	NX-OD6121-5	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	2
	NX-OD6256-5	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	2
	NX-OD6121-6	1 Fujitsu connector (40p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70R-SOC08 ✻2	2
Mixed I/O Units										
16 inputs/ 16 outputs	NX-MD6121-6	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Outputs: NPN	E	1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC16/FOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC08 ✻2	1
					1:1	XW2Z-R□C	1	NPN outputs	G70R-SOC08 ✻2	1
	NX-MD6121-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Outputs: NPN	E	1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC16/FOM16	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC08 ✻2	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70R-SOC08 ✻2	1
	NX-MD6256-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Outputs: PNP	E	1:1	XW2Z-RI□C	1	PNP outputs	G70D-SOC16-1/FOM16-1	1

Note: We are scheduled to stop accepting orders for the G70R-SOC08 in March 2019.
✻**1.** The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻**2.** 8 outputs type.

Table of I/O Relay Terminal and connectable device combinations

G70D/G70R
Combinations with the OMRON PLC CJ Series

CJ1W I/O Units				Connection pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Output Units										
32 outputs	CJ1W-OD231	1 Fujitsu connector (40p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	1
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC08 ✻2	1
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70R-SOC08 ✻2	1
	CJ1W-OD233	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	1
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	1
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	1
	CJ1W-OD232	1 MIL connector (40 p)	Sourcing (PNP)		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	2
	CJ1W-OD234	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	2
64 outputs	CJ1W-OD261	2 Fujitsu connectors (40p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G70D-SOC16/FOM16	4
					1:2	XW2Z-RO□C-□	2	NPN outputs	G70D-VSOC16/VFOM16	4
					1:2	XW2Z-RO□C-□	2	NPN outputs	G70D-SOC08 ✻2	4
					1:2	XW2Z-RO□C-□	2	NPN outputs	G70R-SOC08 ✻2	4
	CJ1W-OD262	2 MIL connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□-□-D1	2	PNP outputs	G70D-SOC16-1/FOM16-1	4
	CJ1W-OD263	2 MIL connectors (40 p) (2, 32-point connectors)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	2	NPN outputs	G70D-SOC16/FOM16	4
					1:2	XW2Z-RO□-□-D1	2	NPN outputs	G70D-VSOC16/VFOM16	4
					1:2	XW2Z-RO□-□-D1	2	NPN outputs	G70D-SOC08 ✻2	4
					1:2	XW2Z-RO□-□-D1	2	NPN outputs	G70R-SOC08 ✻2	4
Mixed I/O Units										
16 inputs/ 16 outputs	CJ1W-MD231	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Outputs: Sinking (NPN)	E	1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC16/FOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC08 ✻2	1
					1:1	XW2Z-R□C	1	NPN outputs	G70R-SOC08 ✻2	1
	CJ1W-MD233	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Outputs: Sinking (NPN)		1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC16/FOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC08 ✻2	1
					1:1	XW2Z-R□C	1	NPN outputs	G70R-SOC08 ✻2	1
	CJ1W-MD232	2 MIL connectors (40 p) (1 for 16 inputs and 1 for 16 outputs)	Outputs: Sourcing (PNP)		1:1	XW2Z-RI□C	1	PNP outputs	G70D-SOC16-1/FOM16-1	1
32 inputs/ 32 outputs	CJ1W-MD261	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Outputs: Sinking (NPN)	B	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70R-SOC08 ✻2	2
	CJ1W-MD263	2 MIL connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Outputs: Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	2

Note: We are scheduled to stop accepting orders for the G70R-SOC08 in March 2019.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻2. 8 outputs type.

G70D/G70R
Combinations with the OMRON PLC CS Series

CS1W I/O Units				Connection pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Output Units Transistor Output Units										
32 outputs	CS1W-OD231	1 Fujitsu connector (40p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70R-SOC08 ✻2	2
	CS1W-OD232	1 Fujitsu connector (40p)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	1	PNP outputs	G70D-SOC16-1/FOM16-1	2
64 outputs	CS1W-OD261	2 Fujitsu connectors (40p) (2, 32-point connectors)	Sinking (NPN)	B	1:2	XW2Z-RO□C-□	2	NPN outputs	G70D-SOC16/FOM16	4
					1:2	XW2Z-RO□C-□	2	NPN outputs	G70D-VSOC16/VFOM16	4
					1:2	XW2Z-RO□C-□	2	NPN outputs	G70D-SOC08 ✻2	4
					1:2	XW2Z-RO□C-□	2	NPN outputs	G70R-SOC08 ✻2	4
	CS1W-OD262	2 Fujitsu connectors (40p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	2	PNP outputs	G70D-SOC16-1/FOM16-1	4
96 outputs	CS1W-OD291	2 Fujitsu connectors (56p) (2, 48-point connectors)	Sinking (NPN)	D	1:3	XW2Z-R□C-□-□	2	NPN outputs	G70D-SOC16/FOM16	6
					1:3	XW2Z-R□C-□-□	2	NPN outputs	G70D-VSOC16/VFOM16	6
					1:3	XW2Z-R□C-□-□	2	NPN outputs	G70D-SOC08 ✻2	6
					1:3	XW2Z-R□C-□-□	2	NPN outputs	G70R-SOC08 ✻2	6
	CS1W-OD292	2 Fujitsu connectors (56p) (2, 48-point connectors)	Sourcing (PNP)		1:3	---	2	PNP outputs	G70D-SOC16-1/FOM16-1	6
Mixed I/O Units DC Transistor Output Units										
32 inputs/ 32 outputs	CS1W-MD261	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Outputs: Sinking (NPN)	B	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70R-SOC08 ✻2	2
	CS1W-MD262	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Outputs: Sourcing (PNP)		1:2	XW2Z-RO□C-□	1	PNP outputs	G70D-SOC16-1/FOM16-1	2
48 inputs/ 48 outputs	CS1W-MD291	2 Fujitsu connectors (56p) (1 for 48 inputs and 1 for 48 outputs)	Outputs: Sinking (NPN)	D	1:3	XW2Z-R□C-□-□	1	NPN outputs	G70D-SOC16/FOM16	3
					1:3	XW2Z-R□C-□-□	1	NPN outputs	G70D-VSOC16/VFOM16	3
					1:3	XW2Z-R□C-□-□	1	NPN outputs	G70D-SOC08 ✻2	3
					1:3	XW2Z-R□C-□-□	1	NPN outputs	G70R-SOC08 ✻2	3
	CS1W-MD292	2 Fujitsu connectors (56p) (1 for 48 inputs and 1 for 48 outputs)	Outputs: Sourcing (PNP)		1:3	---	1	PNP outputs	G70D-SOC16-1/FOM16-1	3

Note: We are scheduled to stop accepting orders for the G70R-SOC08 in March 2019.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻2. 8 outputs type.

Table of I/O Relay Terminal and connectable device combinations

G70D/G70R
Combinations with the OMRON DeviceNet Slaves

DeviceNet Slaves				Connection pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Input unit Smart Slave DRT2-series MIL connector terminal										
16 outputs	DRT2-OD16ML	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC16/FOM16	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC08 ✻2	1
					1:1	XW2Z-RO□C	1	NPN outputs	G70R-SOC08 ✻2	1
	DRT2-OD16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	PNP outputs	G70D-SOC16-1/FOM16-1	1
32 outputs	DRT2-OD32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	2
	DRT2-OD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	2
16 inputs/ 16 outputs	DRT2-MD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	1
	DRT2-MD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	1
Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)										
32 outputs	DRT2-OD32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	2
16 inputs/ 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	1
	DRT2-MD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	1
Smart Slave DRT2-series board terminal MIL connector type (Vertical type)										
32 outputs	DRT2-OD32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	2
16 inputs/ 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70D-SOC08 ✻2	1
					1:2	XW2Z-RM□-□-D1	1	NPN outputs	G70R-SOC08 ✻2	1
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP outputs	G70D-SOC16-1/FOM16-1	1

Note: We are scheduled to stop accepting orders for the G70R-SOC08 in March 2019.
✻**1.** The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻**2.** 8 outputs type.

Table of I/O Relay Terminal and connectable device combinations

DeviceNet Slaves				Connection pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model ✻1	Quantity required	Specifications	Model	Quantity required
Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)										
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC16/FOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-VSOC16/VFOM16	1
					1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC08 ✻2	1
					1:1	XW2Z-R□C	1	NPN outputs	G70R-SOC08 ✻2	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	PNP outputs	G70D-SOC16-1/FOM16-1	1
Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)										
32 outputs	GT1-OD32ML	1 Fujitsu connector (40p)	NPN	F	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-VSOC16/VFOM16	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC08 ✻2	2
					1:2	XW2Z-RO□C-□	1	NPN outputs	G70R-SOC08 ✻2	2
	GT1-OD32ML-1	1 Fujitsu connector (40p)	PNP		1:2	XW2Z-RO□C-□	1	PNP outputs	G70D-SOC16-1/FOM16-1	2

Note: We are scheduled to stop accepting orders for the G70R-SOC08 in March 2019.
✻1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G126)
✻2. 8 outputs type.

MEMO

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