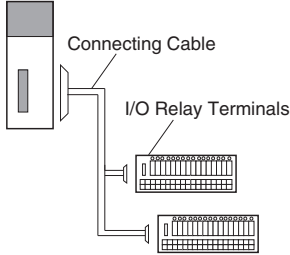
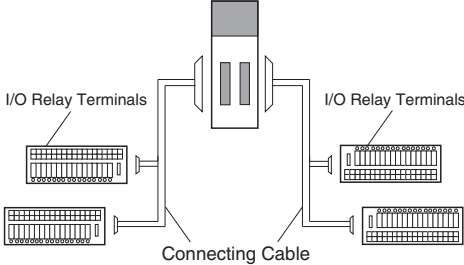
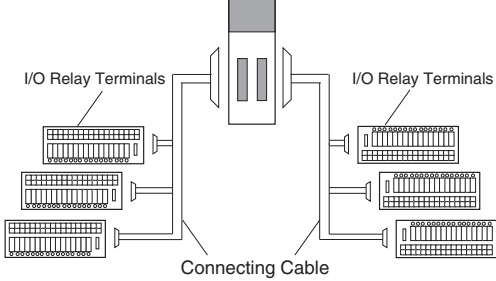
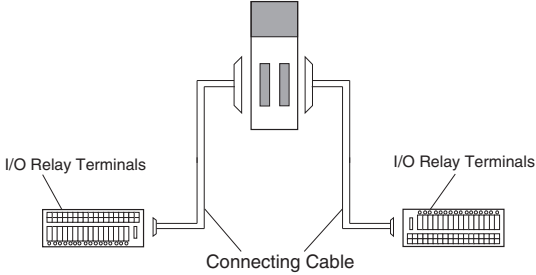
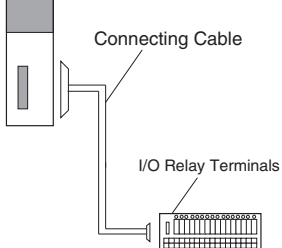


# Table of I/O Relay Terminal and connectable device combinations G70V/G7TC/G70A/G70D/G70R

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	 <p>Diagram A shows a vertical connecting cable connected to a single I/O relay terminal block.</p>
B	 <p>Diagram B shows a vertical connecting cable connected to two I/O relay terminal blocks.</p>
D	 <p>Diagram D shows a vertical connecting cable connected to three I/O relay terminal blocks.</p>
E	 <p>Diagram E shows a vertical connecting cable connected to two I/O relay terminal blocks.</p>
F	 <p>Diagram F shows a vertical connecting cable connected to a single I/O relay terminal block.</p>

# Table of I/O Relay Terminal and connectable device combinations

## Combinations with G70V

### G70V

### Combinations with 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
<b>Input Units</b>										
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	G70V-SID16P(-1)(-C16)
		NX-ID6142-6	1 Fujitsu connector (40 p)	NPN or PNP		1:2	XW2Z-RI□C-□		1	G70V-SID16P(-1)(-C16)
<b>Output Units</b>										
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)
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)
32 outputs	NX-OD6121-6	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)	2
<b>Mixed I/O Units</b>										
16 inputs and 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	Inputs *2	G70V-SID16P(-1)(-C16)	1
			Outputs: NPN		1:1	XW2Z-R□C	1	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. G216).

\*2. Either NPN inputs or PNP inputs can be used.

# Table of I/O Relay Terminal and connectable device combinations

## G70V

### Combinations with 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
<b>Input Units</b>										
32 inputs	CJ1W-ID231	1 Fujitsu connector (40 p)	Sinking/Sourcing (NPN/PNP)	A	1:2	XW2Z-RI□C-□	1	Inputs #2	G70V-SID16P(-1)(-C16)	2
	CJ1W-ID232	1 MIL connector (40 p)	Sinking/Sourcing (NPN/PNP)		1:2	XW2Z-RO□□-□D1	1		G70V-SID16P(-1)(-C16)	2
	CJ1W-ID233	1 MIL connector (40 p)	Sinking/Sourcing (NPN/PNP)		1:2	XW2Z-RO□□-□D1	1		G70V-SID16P(-1)(-C16)	2
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	Sinking/Sourcing (NPN/PNP)	B	1:2	XW2Z-RI□C-□	1		G70V-SID16P(-1)(-C16)	4
	CJ1W-ID262	2 MIL connectors (40 p) (2, 32-point connectors)	Sinking/Sourcing (NPN/PNP)		1:2	XW2Z-RO□□-□D1	1		G70V-SID16P(-1)(-C16)	4
<b>Output Units</b>										
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
<b>Mixed I/O Units</b>										
16 inputs and 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	Inputs #2	G70V-SID16P(-1)(-C16)	1
			Outputs: Sinking (NPN)		1:1	XW2Z-R□C	1	NPN outputs	G70V-SOC16P(-C4)	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	Inputs #2	G70V-SID16P(-1)(-C16)	1
			Outputs: Sinking (NPN)		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)	Inputs: Sinking/Sourcing (NPN or PNP)		1:1	XW2Z-RO□C	1	Inputs #2	G70V-SID16P(-1)(-C16)	1
			Outputs: Sourcing (PNP)		1:1	XW2Z-RI□C	1	PNP outputs	G70V-SOC16P-1(-C4)	1
32 inputs and 32 outputs	CJ1W-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	Inputs #2	G70V-SID16P(-1)(-C16)	2
			Outputs: Sinking (NPN)		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)	Inputs: Sinking/Sourcing (NPN or PNP)		1:2	XW2Z-RO□□-□D1	1	Inputs #2	G70V-SID16P(-1)(-C16)	2
			Outputs: Sinking (NPN)		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. G216).

\*2. Either NPN inputs or PNP inputs can be used.

# Table of I/O Relay Terminal and connectable device combinations

## G70V

### Combinations with CS 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
<b>Input Units</b>										
<b>DC Input Units</b>										
32 inputs	CS1W-ID231	1 Fujitsu connector (40 p)	Sinking/Sourcing (NPN/PNP)	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)	Sinking/Sourcing (NPN/PNP)	B	1:2	XW2Z-RI□C-□	2		G70V-SID16P(-1)(-C16)	4
96 inputs	CS1W-ID291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sinking/Sourcing (NPN/PNP)	D	1:3	XW2Z-R□C-□-□	2		G70V-SID16P(-1)(-C16)	6
<b>Output Units</b>										
<b>Transistor Output Units</b>										
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
	CS1W-OD292	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sourcing (PNP)		1:3	---	2	NPN outputs	G70V-SOC16P-1(-C4)	6
<b>Mixed I/O Units</b>										
<b>DC Transistor Output Units</b>										
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	Inputs *1	G70V-SID16P(-1)(-C16)	2
			Outputs: Sinking (NPN)		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)	Inputs: Sinking/Sourcing (NPN or PNP)		1:2	XW2Z-RI□C-□	1	Inputs *2	G70V-SID16P(-1)(-C16)	2
			Outputs: Sourcing (PNP)		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)	Inputs: Sinking/Sourcing (NPN or PNP)	D	1:3	XW2Z-R□C-□-□	1	Inputs *2	G70V-SID16P(-1)(-C16)	3
			Outputs: Sinking (NPN)		1:3	XW2Z-R□C-□-□	1	NPN outputs	G70V-SOC16P(-C4)	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	Inputs *2	G70V-SID16P(-1)(-C16)	3
			Outputs: Sourcing (PNP)		1:3	---	1	PNP outputs	G70V-SOC16P-1(-C4)	3

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

\*2. Either NPN inputs or PNP inputs can be used.

# Table of I/O Relay Terminal and connectable device combinations

## G70V

### Combinations with DeviceNet Slaves

I/O capacity	DeviceNet Slaves			Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
	DRT2-□ML/B/BV,GT1-□ML				XW2Z-R			G70V		
	Model	External connectors	Polarity (Transistor)		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Smart Slave DRT2-series MIL connector terminal</b>										
16 inputs	DRT2-ID16ML	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RI□C	1	16 NPN inputs	G70V-SID16P(-C16)	1
	DRT2-ID16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	16 PNP inputs	G70V-SID16P-1(-C16)	1
16 outputs	DRT2-OD16ML	1 MIL connector (20 p)	NPN		1:1	XW2Z-RO□C	1	16 NPN outputs	G70V-SOC16P(-C4)	1
	DRT2-OD16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	16 PNP outputs	G70V-SOC16P-1(-C4)	1
32 inputs	DRT2-ID32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	16 NPN inputs	G70V-SID16P(-C16)	2
	DRT2-ID32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	DRT2-OD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	16 NPN outputs	G70V-SOC16P(-C4)	2
	DRT2-OD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP outputs	G70V-SOC16P-1(-C4)	2
16 inputs and 16 outputs	DRT2-MD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	16 NPN inputs	G70V-SID16P(-C16)	1
			16 NPN outputs		G70V-SOC16P(-C4)			1		
	DRT2-MD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP inputs	G70V-SID16P-1(-C16)	1
			16 PNP outputs		G70V-SOC16P-1(-C4)			1		
<b>Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)</b>										
32 inputs	DRT2-ID32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	16 NPN inputs	G70V-SID16P(-C16)	2
	DRT2-ID32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	DRT2-OD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	16 NPN outputs	G70V-SOC16P(-C4)	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP outputs	G70V-SOC16P-1(-C4)	2
16 inputs and 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	16 NPN inputs	G70V-SID16P(-C16)	1
			16 NPN outputs		G70V-SOC16P(-C4)			1		
	DRT2-MD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP inputs	G70V-SID16P-1(-C16)	1
			16 PNP outputs		G70V-SOC16P-1(-C4)			1		
<b>Smart Slave DRT2-series board terminal MIL connector type (Vertical type)</b>										
32 inputs	DRT2-ID32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	16 NPN inputs	G70V-SID16P(-C16)	2
	DRT2-ID32BV1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	DRT2-OD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	16 NPN outputs	G70V-SOC16P(-C4)	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP outputs	G70V-SOC16P-1(-C4)	2
16 inputs and 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	16 NPN inputs	G70V-SID16P(-C16)	1
			16 NPN outputs		G70V-SOC16P(-C4)			1		
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP inputs	G70V-SID16P-1(-C16)	1
			16 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. G216)

# Table of I/O Relay Terminal and connectable device combinations

I/O capacity	DeviceNet Slaves			Connection pattern	XW2Z-R Cables			G70V I/O Relay Terminals		
	DRT2-□ML/B/BV,GT1-□ML				XW2Z-R			G70V		
	Model	External connectors	Polarity (Transistor)		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)</b>										
16 inputs	GT1-ID16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	16 NPN inputs	G70V-SID16P(-C16)	1
	GT1-ID16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	16 PNP inputs	G70V-SID16P-1(-C16)	1
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN		1:1	XW2Z-R□C	1	16 NPN outputs	G70V-SOC16P(-C4)	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	16 PNP outputs	G70V-SOC16P-1	1
<b>Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)</b>										
32 inputs	GT1-ID32ML	1 Fujitsu connector (40 p)	NPN	F	1:2	XW2Z-RI□C-□	1	16 NPN inputs	G70V-SID16P(-C16)	2
	GT1-ID32ML-1	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RI□C-□	1	16 PNP inputs	G70V-SID16P-1(-C16)	2
32 outputs	GT1-OD32ML	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	16 NPN outputs	G70V-SOC16P(-C4)	2
	GT1-OD32ML-1	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RO□C-□	1	16 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. G216)

# Table of I/O Relay Terminal and connectable device combinations

## Combinations with G7TC

### G7TC

### Combinations with CS Series

NX I/O Units				Connec- tion 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
<b>Input Units</b>										
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 MIL connector (40 p)	NPN or PNP		1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
<b>Output Units</b>										
16 inputs	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
32 outputs	NX-OD6121-6	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G7TC-OC16	2
<b>Mixed I/O Units</b>										
16 inputs and 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

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

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

# Table of I/O Relay Terminal and connectable device combinations

## G7TC

### Combinations with 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
<b>Input Units</b>										
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-□	1	NPN Inputs	G7TC-IA16/ID16	4
	CJ1W-ID262	2 MIL connectors (40p) (2, 32-point connectors)	NPN or PNP		1:2	XW2Z-RO□□-D1	1	NPN Inputs	G7TC-IA16/ID16	4
<b>Output Units</b>										
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
<b>Mixed I/O Units</b>										
16 inputs and 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
Inputs: 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

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

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



# Table of I/O Relay Terminal and connectable device combinations

## G7TC

### Combinations with CS Series

CJ1W I/O Units				Connec- tion 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
<b>Input Units</b>										
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
<b>Output Units Transistor Output Units</b>										
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
<b>Mixed I/O Units DC Transistor Output Units</b>										
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

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

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

# Table of I/O Relay Terminal and connectable device combinations

## G7TC Combinations with DeviceNet Slaves

I/O capacity	DeviceNet Slaves			Connection pattern	XW2Z-R Cables			G7TC I/O Relay Terminals		
	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Input unit Smart Slave DRT2-series MIL connector terminal</b>										
16 inputs	DRT2-ID16ML	1 MIL connectors (20 p)	NPN	F	1:1	XW2Z-RI□C	1	16 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	16 NPN outputs	G7TC-OC16	1
	DRT2-OD16ML-1	1 MIL connectors (20 p)	PNP		1:1	XW2Z-RI□C	1	16 PNP outputs	G7TC-OC16-1	1
32 inputs	DRT2-ID32ML	1 MIL connectors (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	16 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	16 NPN outputs	G7TC-OC16	2
	DRT2-OD32ML-1	1 MIL connectors (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	16 PNP outputs	G7TC-OC16-1	2
16 inputs and 16 outputs	DRT2-MD32ML	1 MIL connectors (40 p)	NPN	A	1:2	XW2Z-RM□-□-D1	1	16 NPN inputs	G7TC-IA16/ID16	1
								16 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	
								16 PNP outputs	G7TC-OC16-1	1
<b>Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)</b>										
32 inputs	DRT2-ID32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	16 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	16 NPN outputs	G7TC-OC16	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	16 PNP outputs	G7TC-OC16-1	2
16 inputs and 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RM□-□-D1	1	16 NPN inputs	G7TC-IA16/ID16	1
								16 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	
								16 PNP outputs	G7TC-OC16-1	1

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

# 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
<b>Smart Slave DRT2-series board terminal MIL connector type (Vertical type)</b>										
32 inputs	DRT2-ID32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□-□-D1	1	16 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	16 NPN outputs	G7TC-OC16	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-R□-□-D1	1	16 PNP outputs	G7TC-OC16-1	2
16 inputs and 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	16 NPN inputs	G7TC-IA16/ID16	1
								16 NPN outputs	G7TC-OC16	1
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RI□-□-D1	1	16 PNP inputs	No connectable models	
								16 PNP outputs	G7TC-OC16-1	1
<b>Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)</b>										
16 inputs	GT1-ID16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	16 NPN inputs	G7TC-IA16/ID16	1
	GT1-ID16ML-1	1 Fujitsu connector (24 p)	PNP		---	---	---	16 PNP inputs	No connectable models	
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN		1:1	XW2Z-R□C	1	16 NPN outputs	G7TC-OC16	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	---	1	16 PNP outputs	G7TC-OC16-1	1
<b>Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)</b>										
32 inputs	GT1-ID32ML	1 Fujitsu connector (24 p)	NPN	F	1:2	XW2Z-RI□C-□	1	16 NPN inputs	G7TC-IA16/ID16	2
	GT1-ID32ML-1	1 Fujitsu connector (24 p)	PNP		---	---	---	16 PNP inputs	No connectable models	
32 outputs	GT1-OD32ML	1 Fujitsu connector (24 p)	NPN		1:2	XW2Z-RO□C-□	1	16 NPN outputs	G7TC-OC16	2
	GT1-OD32ML-1	1 Fujitsu connector (24 p)	PNP		1:2	---	1	16 PNP outputs	G7TC-OC16-1	2

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

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

# Table of I/O Relay Terminal and connectable device combinations

## Combinations with G70A

### G70A (Socket types)

### Combinations with NX Series

NX I/O Units				Connec- tion pattern	XW2Z-R Cables			G70A I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Input Units</b>										
16 inputs	NX-ID5142-5	1 MIL connector (20 p)	NPN or PNP	F	1:1	XW2Z-RO□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1
32 inputs	NX-ID6142-5	1 MIL connector (40 p)	NPN or PNP	A	1:2	XW2Z-RO□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
	NX-ID6142-6	1 Fujitsu connector (40p)	NPN or PNP		1:2	XW2Z-RI□C-□	1	NPN or PNP Inputs	G70A-ZIM16-5	2
<b>Output Units</b>										
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
32 outputs	NX-OD6121-6	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	2
<b>Mixed I/O Units</b>										
16 inputs and 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 or PNP Inputs	G70A-ZIM16-5	1
			Outputs: NPN		1:1	XW2Z-R□C	1	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		1:1	XW2Z-RO□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			Outputs: NPN		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		1:1	XW2Z-RO□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			Outputs: NPN		1:1	XW2Z-RI□C	1	PNP outputs	G70A-ZOC16-4	1

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216).

**Note:** On the G70A I/O terminal socket, the mounted relay is an option.

# Table of I/O Relay Terminal and connectable device combinations

## G70A (Socket types) Combinations with CJ Series

CJ1W I/O Units				Connec- tion pattern	XW2Z-R Cables			G70A I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Input Units</b>										
32 inputs	CS1W-ID231	1 Fujitsu connector (40p)	NPN	A	1:2	XW2Z-RI□C-□	1	NPN or PNP Inputs	G70A-ZIM16-5	2
	CJ1W-ID232	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
	CJ1W-ID233	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40p) (2, 32-point connectors)	NPN	B	1:2	XW2Z-RI□C-□	2	NPN or PNP Inputs	G70A-ZIM16-5	4
	CJ1W-ID262	2 MIL connectors (40 p) (2, 32-point connectors)	NPN		1:2	XW2Z-RO□-□-D1	2	NPN or PNP Inputs	G70A-ZIM16-5	4
<b>Output Units</b>										
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	4
	CJ1W-OD262	2 MIL connectors (40 p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□-□-D1	2	PNP outputs	G70A-ZOC16-4	4
	CJ1W-OD263	2 MIL connectors (40 p) (2, 32-point connectors)	Sinking (NPN)		1:2	XW2Z-RO□-□-D1	2	NPN outputs	G70A-ZOC16-3	4
<b>Mixed I/O Units</b>										
16 inputs and 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 or PNP Inputs	G70A-ZIM16-5	1
			Outputs: Sinking (NPN)		1:1	XW2Z-R□C	1	NPN outputs	G70A-ZOC16-3	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 or PNP Inputs	G70A-ZIM16-5	1
			Outputs: Sinking (NPN)		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)	Inputs: Sinking/Sourcing (NPN or PNP)	1:1	XW2Z-RO□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1		
		Outputs: Sourcing (PNP)	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)	Inputs: Sinking/Sourcing (NPN or PNP)	B	1:2	XW2Z-RI□C-□	1	NPN or PNP Inputs	G70A-ZIM16-5	2
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	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 or PNP Inputs	G70A-ZIM16-5	2
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70A-ZOC16-3	2

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216).

**Note:** On the G70A I/O terminal socket, the mounted relay is an option.

# Table of I/O Relay Terminal and connectable device combinations

## G70A (Socket types) Combinations with CS Series

CJ1W I/O Units				Connection pattern	XW2Z-R Cables			G70A I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Input Units</b>										
<b>32 inputs</b>	CS1W-ID231	1 Fujitsu connector (40 p)	NPN or PNP	A	1:2	XW2Z-RI□C-□	1	NPN or PNP Inputs	G70A-ZIM16-5	2
<b>64 inputs</b>	CS1W-ID261	2 Fujitsu connectors (40 p) (2, 32-point connectors)	NPN or PNP	B	1:2	XW2Z-RI□C-□	2	NPN or PNP Inputs	G70A-ZIM16-5	4
<b>96 inputs</b>	CS1W-ID291	2 Fujitsu connectors (56 p) (2, 48-point connectors)	NPN or PNP	D	1:3	XW2Z-R□C-□-□	2	NPN or PNP Inputs	G70A-ZIM16-5	6
<b>Output Units Transistor Output Units</b>										
<b>32 outputs</b>	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
<b>64 outputs</b>	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
<b>96 outputs</b>	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
	CS1W-OD292	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sourcing (PNP)		1:3	---	2	PNP outputs	G70A-ZOC16-4	6
<b>Mixed I/O Units DC Transistor Output Units</b>										
<b>32 inputs/ 32 outputs</b>	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 or PNP Inputs	G70A-ZIM16-5	2
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□C-□	1	NPN outputs	G70A-ZOC16-3	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 or PNP Inputs	G70A-ZIM16-5	2
			Outputs: Sourcing (PNP)		1:2	XW2Z-RO□C-□	1	PNP outputs	G70A-ZOC16-4	2
<b>48 inputs and 48 outputs</b>	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 or PNP Inputs	G70A-ZIM16-5	3
			Outputs: Sinking (NPN)		1:3	XW2Z-R□C-□-□	1	NPN outputs	G70A-ZOC16-3	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 or PNP Inputs	G70A-ZIM16-5	3
			Outputs: Sourcing (PNP)		1:3	---	1	PNP outputs	G70A-ZOC16-4	3

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

**Note:** On the G70A I/O terminal socket, the mounted relay is an option.

# Table of I/O Relay Terminal and connectable device combinations

## G70A (Socket types) Combinations with DeviceNet Slaves

DeviceNet Slaves				Connec- tion pattern	XW2Z-R Cables			G70A I/O Terminal Sockets		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Smart Slave DRT2-series MIL connector terminal</b>										
16 inputs	DRT2-ID16ML	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RI□□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1
	DRT2-ID16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1
16 outputs	DRT2-OD16ML	1 MIL connector (20 p)	NPN		1:1	XW2Z-RO□□C	1	16 NPN outputs	G70A-ZOC16-3	1
	DRT2-OD16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□□C	1	16 PNP outputs	G70A-ZOC16-4	1
32 inputs	DRT2-ID32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
	DRT2-ID32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
32 outputs	DRT2-OD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□□-□-D1	1	16 NPN outputs	G70A-ZOC16-3	2
	DRT2-OD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	16 PNP outputs	G70A-ZOC16-4	2
16 inputs and 16 outputs	DRT2-MD32ML	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			16 NPN outputs		G70A-ZOC16-3			1		
	DRT2-MD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			16 PNP outputs		G70A-ZOC16-4			1		
<b>Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)</b>										
32 inputs	DRT2-ID32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
	DRT2-ID32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
32 outputs	DRT2-OD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□□-□-D1	1	16 NPN outputs	G70A-ZOC16-3	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	16 PNP outputs	G70A-ZOC16-4	2
16 inputs and 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			16 NPN outputs		G70A-ZOC16-3			1		
	DRT2-MD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			16 PNP outputs		G70A-ZOC16-4			1		
<b>Smart Slave DRT2-series board terminal MIL connector type (Vertical type)</b>										
32 inputs	DRT2-ID32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RI□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
	DRT2-ID32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	2
32 outputs	DRT2-OD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RO□□-□-D1	1	16 NPN outputs	G70A-ZOC16-3	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	16 PNP outputs	G70A-ZOC16-4	2
16 inputs and 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			16 NPN outputs		G70A-ZOC16-3			1		
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□□-□-D1	1	NPN or PNP Inputs	G70A-ZIM16-5	1
			16 PNP outputs		G70A-ZOC16-4			1		

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

**Note:** On the G70A I/O terminal socket, the mounted relay is an option.

## Table of I/O Relay Terminal and connectable device combinations

I/O capacity	DeviceNet Slaves			Connection pattern	XW2Z-R Cables			G70A I/O Terminal Sockets		
	Model	External connectors	Polarity		Connection	Model *1	Quantity required	Specifications	Model	Quantity required
<b>Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)</b>										
16 inputs	GT1-ID16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1
	GT1-ID16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	NPN or PNP Inputs	G70A-ZIM16-5	1
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN		1:1	XW2Z-R□C	1	16 NPN outputs	G70A-ZOC16-3	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	16 PNP outputs	G70A-ZOC16-4	1
<b>Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)</b>										
32 inputs	GT1-ID32ML	1 Fujitsu connector (40 p)	NPN	F	1:2	XW2Z-RI□C-□	1	NPN or PNP Inputs	G70A-ZIM16-5	1
	GT1-ID32ML-1	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RI□C-□	1	NPN or PNP Inputs	G70A-ZIM16-5	1
32 outputs	GT1-OD32ML	1 Fujitsu connector (40 p)	NPN		1:2	XW2Z-RO□C-□	1	16 NPN outputs	G70A-ZOC16-3	2
	GT1-OD32ML-1	1 Fujitsu connector (40 p)	PNP		1:2	XW2Z-RO□C-□	1	16 PNP outputs	G70A-ZOC16-4	2

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

**Note:** On the G70A I/O terminal socket, the mounted relay is an option.



# Table of I/O Relay Terminal and connectable device combinations

## Combinations with G70D/G70R

### G70D/G70R

### Combinations with NX Series

NX I/O Units				Connec- tion pattern	XW2Z-R Cables			G70D/G70R Relay Terminals			
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required	
<b>Input Units</b>											
16 inputs	NX-ID5142-5	1 MIL connector (20 p)	NPN or PNP	---	---	---	---	Inputs	No connectable models		
32 inputs	NX-ID6142-5	1 MIL connector (40 p)	NPN or PNP								
	NX-ID6142-6	1 Fujitsu connector (40p)	NPN or PNP								
<b>Output Units</b>											
16 outputs	NX-OD5121-5	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC16/FOM16	1	
											G70D-VSOC16/VFOM16
								G70D-SOC08 *2			
								G70R-SOC08 *2			
	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
G70D-VSOC16/VFOM16											
G70D-SOC08 *2											
G70R-SOC08 *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	
									G70D-VSOC16/VFOM16		
									G70D-SOC08 *2		
									G70R-SOC08 *2		
<b>Mixed I/O Units</b>											
16 inputs and 16 outputs	NX-MD6121-6	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP	E	---	---	---	Inputs	No connectable models		
			Outputs: NPN		1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC16/FOM16	1	
											G70D-VSOC16/VFOM16
											G70D-SOC08 *2
									G70R-SOC08 *2		
	NX-MD6121-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP		Outputs: NPN	---	---	---	Inputs	No connectable models	
						1:1	XW2Z-RO□C	1	NPN outputs	G70D-SOC16/FOM16	1
								G70D-SOC08 *2			
							G70R-SOC08 *2				
NX-MD6256-5	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: NPN or PNP	Outputs: PNP	---	---	---	Inputs	No connectable models			
				1:1	XW2Z-RI□C	1	PNP outputs	G70D-SOC16-1/FOM16-1	1		

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

\*2. 8 outputs type.

# Table of I/O Relay Terminal and connectable device combinations

## G70D/G70R Combinations with CJ Series

CJ1W I/O Units				Connec- tion pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Input Units</b>										
32 inputs	CJ1W-ID231	1 Fujitsu connector (40p)	NPN	---	---	---	---	Inputs	No connectable models	
	CJ1W-ID232	1 MIL connector (40 p)	NPN							
	CJ1W-ID233	1 MIL connector (40 p)	NPN							
64 inputs	CJ1W-ID261	2 Fujitsu connectors (40p) (2, 32-point connectors)	NPN							
	CJ1W-ID262	2 MIL connectors (40 p) (2, 32-point connectors)	NPN							
<b>Output Units</b>										
32 outputs	CJ1W-OD231	1 Fujitsu connector (40p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	1
									G70D-VSOC16/VFOM16	
									G70D-SOC08 *2	
									G70R-SOC08 *2	
	CJ1W-OD233	1 MIL connector (40 p)	Sinking (NPN)		1:2	XW2Z-RO□□-D1	1	NPN outputs	G70D-SOC16/FOM16	1
									G70D-VSOC16/VFOM16	
									G70D-SOC08 *2	
									G70R-SOC08 *2	
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		
							G70D-VSOC16/VFOM16			
							G70D-SOC08 *2			
							G70R-SOC08 *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
									G70D-VSOC16/VFOM16	
									G70D-SOC08 *2	
									G70R-SOC08 *2	
	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		
							G70D-VSOC16/VFOM16			
							G70D-SOC08 *2			
							G70R-SOC08 *2			

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

\*2. 8 outputs type.

# Table of I/O Relay Terminal and connectable device combinations

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
<b>Mixed I/O Units</b>										
<b>16 inputs and 16 outputs</b>	CJ1W-MD231	2 Fujitsu connectors (24 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	E	---	---	---	Inputs	No connectable models	
			Outputs: Sinking (NPN)		1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC16/FOM16	1
					G70D-VSOC16/VFOM16					
	G70D-SOC08 *2									
	CJ1W-MD233	2 MIL connectors (20 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		---	---	---	Inputs	No connectable models	
			Outputs: Sinking (NPN)		1:1	XW2Z-R□C	1	NPN outputs	G70D-SOC16/FOM16	1
G70D-VSOC16/VFOM16										
G70D-SOC08 *2										
CJ1W-MD232	2 MIL connectors (40 p) (1 for 16 inputs and 1 for 16 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	---	---	---	Inputs	No connectable models			
		Outputs: Sourcing (PNP)	1:1	XW2Z-RI□C	1	PNP outputs	G70D-SOC16-1/FOM16-1	1		
<b>32 inputs/ 32 outputs</b>	CJ1W-MD261	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	B	---	---	---	Inputs	No connectable models	
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	2
					G70D-VSOC16/VFOM16					
	G70D-SOC08 *2									
	CJ1W-MD263	2 MIL connectors (40 p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		---	---	---	Inputs	No connectable models	
			Outputs: Sinking (NPN)		1:2	XW2Z-RO□-□-D1	1	NPN outputs	G70D-SOC16/FOM16	2
G70D-VSOC16/VFOM16										
G70D-SOC08 *2										
								G70R-SOC08 *2		

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

\*2. 8 outputs type.

# Table of I/O Relay Terminal and connectable device combinations

## G70D/G70R Combinations with CS 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	
<b>Input Units DC Input Units</b>											
32 inputs	CS1W-ID231	1 Fujitsu connector (40p)	NPN	---	---	---	---	Inputs	No connectable models		
64 inputs	CS1W-ID261	2 Fujitsu connectors (40p) (2, 32-point connectors)	NPN								
96 inputs	CS1W-ID291	2 Fujitsu connectors (56p) (2, 48-point connectors)	NPN								
<b>Output Units Transistor Output Units</b>											
32 outputs	CS1W-OD231	1 Fujitsu connector (40p)	Sinking (NPN)	A	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16	2	
	CS1W-OD232	1 Fujitsu connector (40p)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	1		PNP outputs		G70D-SOC16-1/FOM16-1
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
	CS1W-OD262	2 Fujitsu connectors (40p) (2, 32-point connectors)	Sourcing (PNP)		1:2	XW2Z-RO□C-□	2		PNP outputs		
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	
	CS1W-OD292	2 Fujitsu connectors (56p) (2, 48-point connectors)	Sourcing (PNP)		1:3	---	2		PNP outputs		
<b>Mixed I/O Units DC Transistor Output Units</b>											
32 inputs/ 32 outputs	CS1W-MD261	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	B	1:2	XW2Z-RO□C-□	1	NPN outputs	G70D-SOC16/FOM16		2
			Outputs: Sinking (NPN)						G70D-VSOC16/VFOM16		
	CS1W-MD262	2 Fujitsu connectors (40p) (1 for 32 inputs and 1 for 32 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		---	---	---	Inputs	No connectable models		
			Outputs: Sourcing (PNP)		1:2	XW2Z-RO□C-□	1	Inputs	G70D-SOC16-1/FOM16-1	2	
48 inputs and 48 outputs	CS1W-MD291	2 Fujitsu connectors (56p) (1 for 48 inputs and 1 for 48 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)	D	1:3	XW2Z-R□C-□-□	1	NPN outputs	G70D-SOC16/FOM16	3	
			Outputs: Sinking (NPN)						G70D-VSOC16/VFOM16		
	CS1W-MD292	2 Fujitsu connectors (56p) (1 for 48 inputs and 1 for 48 outputs)	Inputs: Sinking/Sourcing (NPN or PNP)		---	---	---	Inputs	No connectable models		
			Outputs: Sourcing (PNP)		1:3	---	1	PNP outputs	G70D-SOC16-1/FOM16-1		3

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

\*2. 8 outputs type.

# Table of I/O Relay Terminal and connectable device combinations

## G70D/G70R Combinations with DeviceNet Slaves

DeviceNet Slaves				Connec- tion pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Input unit Smart Slave DRT2-series MIL connector terminal</b>										
16 inputs	DRT2-ID16ML	1 MIL connector (20 p)	NPN	---	---	---	---	NPN inputs	No connectable models	
	DRT2-ID16ML-1	1 MIL connector (20 p)	PNP					PNP inputs		
16 outputs	DRT2-OD16ML	1 MIL connector (20 p)	NPN	F	1:1	XW2Z-RO□□C	1	16 NPN outputs	G70D-SOC16/FOM16	1
	DRT2-OD16ML-1	1 MIL connector (20 p)	PNP						1:1	
G70D-SOC08 *2										
G70R-SOC08 *2										
32 inputs	DRT2-ID32ML	1 MIL connector (40 p)	NPN	---	---	---	---	NPN inputs	No connectable models	
	DRT2-ID32ML-1	1 MIL connector (40 p)	PNP					PNP inputs		
32 outputs	DRT2-OD32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□□-□-D1	1	16 NPN outputs	G70D-SOC16/FOM16	2
	DRT2-OD32ML-1	1 MIL connector (40 p)	PNP						1:2	
G70D-SOC08 *2										
G70R-SOC08 *2										
16 inputs and 16 outputs	DRT2-MD32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RM□□-□-D1	1	16 NPN outputs	No connectable models	1
									G70D-SOC16/FOM16	
	G70D-VSOC16/VFOM16									
	G70D-SOC08 *2									
DRT2-MD32ML-1	1 MIL connector (40 p)	PNP	1:2	XW2Z-RO□□-□-D1	1	16 PNP outputs	PNP inputs	No connectable models		
							G70D-SOC16-1/FOM16-1			
<b>Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)</b>										
32 inputs	DRT2-ID32B	1 MIL connector (40 p)	NPN	---	---	---	---	NPN inputs	No connectable models	
	DRT2-ID32B-1	1 MIL connector (40 p)	PNP					PNP inputs		
32 outputs	DRT2-OD32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□□-□-D1	1	16 NPN outputs	G70D-SOC16/FOM16	2
	DRT2-OD32B-1	1 MIL connector (40 p)	PNP						1:2	
G70D-SOC08 *2										
G70R-SOC08 *2										
16 inputs and 16 outputs	DRT2-MD32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RM□□-□-D1	1	16 NPN outputs	No connectable models	1
									G70D-SOC16/FOM16	
	G70D-VSOC16/VFOM16									
	G70D-SOC08 *2									
DRT2-MD32B-1	1 MIL connector (40 p)	PNP	1:2	XW2Z-RO□□-□-D1	1	16 PNP outputs	PNP inputs	No connectable models		
							G70D-SOC16-1/FOM16-1			

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

\*2. 8 outputs type.

# Table of I/O Relay Terminal and connectable device combinations

DeviceNet Slaves				Conne- tion pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
<b>Smart Slave DRT2-series board terminal MIL connector type (Vertical type)</b>										
32 inputs	DRT2-ID32BV	1 MIL connector (40 p)	NPN	---	---	---	---	Inputs	No connectable models	
	DRT2-ID32BV-1	1 MIL connector (40 p)	PNP							
32 outputs	DRT2-OD32BV	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RO□-□-D1	1	16 NPN outputs	G70D-SOC16/FOM16 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	2
	DRT2-OD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	16 PNP outputs	G70D-SOC16-1/FOM16-1	2
16 inputs and 16 outputs	DRT2-MD32BV	1 MIL connector (40 p)	NPN		1:2	XW2Z-RM□-□-D1	1	16 NPN outputs	No connectable models	
			PNP		1:2				XW2Z-RO□-□-D1	1
	16 PNP outputs	No connectable models								
		DRT2-MD32BV-1	1 MIL connector (40 p)	PNP	1:2	XW2Z-RO□-□-D1	1	16 PNP outputs	G70D-SOC16-1/FOM16-1	1
<b>Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)</b>										
16 inputs	GT1-ID16L	1 Fujitsu connector (24 p)	NPN	---	---	---	---	Inputs	No connectable models	
	GT1-ID16ML-1	1 Fujitsu connector (24 p)	PNP							
16 outputs	GT1-OD16ML	1 Fujitsu connector (24 p)	NPN	F	1:1	XW2Z-R□C	1	16 NPN outputs	G70D-SOC16/FOM16 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	1
	GT1-OD16ML-1	1 Fujitsu connector (24 p)	PNP		1:1	XW2Z-R□C	1	16 PNP outputs	G70D-SOC16-1/FOM16-1	1
<b>Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)</b>										
32 inputs	GT1-ID32ML	1 Fujitsu connector (40p)	NPN	---	---	---	---	Inputs	No connectable models	
	GT1-ID32ML-1	1 Fujitsu connector (40p)	PNP							
32 outputs	GT1-OD32ML	1 Fujitsu connector (40p)	NPN	F	1:2	XW2Z-RO□C-□	1	16 NPN outputs	G70D-SOC16/FOM16 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	2
	GT1-OD32ML-1	1 Fujitsu connector (40p)	PNP		1:2	XW2Z-RO□C-□	1	16 PNP outputs	G70D-SOC16-1/FOM16-1	2

\*1. The box □ is replaced by the cable length. For type details, refer to the XW2Z-R data sheet. (Cat. No. G216)

\*2. 8 outputs type.

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