

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

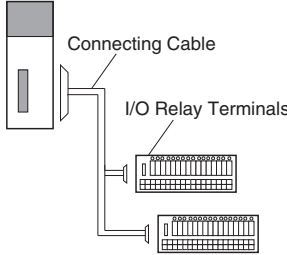
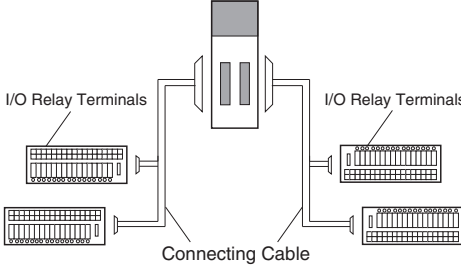
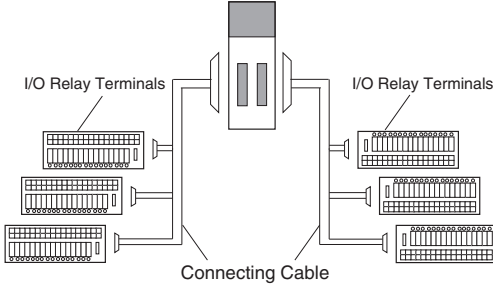
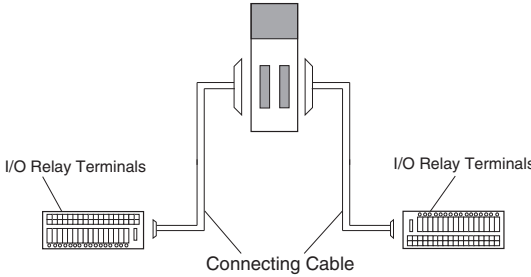
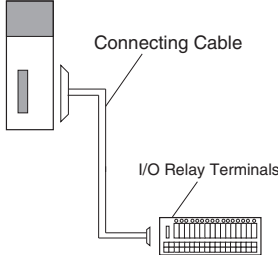
Pattern	Configuration
A	 Diagram A shows a single I/O Relay Terminal connected to a PLC I/O unit via a Connecting Cable.
B	 Diagram B shows two I/O Relay Terminals connected to a PLC I/O unit via a Connecting Cable.
D	 Diagram D shows multiple I/O Relay Terminals connected to a PLC I/O unit via a Connecting Cable.
E	 Diagram E shows two I/O Relay Terminals connected to a PLC I/O unit via a Connecting Cable.
F	 Diagram F shows a single I/O Relay Terminal connected to a PLC I/O unit via a Connecting Cable.

Table of I/O Relay Terminal and connectable device combinations

Combinations with G70V

G70V

Combinations with NX Series

NX I/O Units				Conne ction 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		G70V-SID16P(-1)(-C16)	2
	NX-ID6142-6	1 Fujitsu connector (40 p)	NPN or PNP		1:2	XW2Z-RI□C-□	1		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
32 outputs	NX-OD6121-6	1 Fujitsu connector (40 p)	NPN			1:2	XW2Z-RO□C-□	1	NPN outputs	G70V-SOC16P(-C4)
Mixed I/O Units										
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				Conne ction 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)	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
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 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				Conne ction 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)	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
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
	CS1W-OD292	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sourcing (PNP)		1:3	---	2	NPN outputs	G70V-SOC16P-1(-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)	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

DeviceNet Slaves				Conne ction 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	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
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	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
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	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

DeviceNet Slaves				Conne ction 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	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
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	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
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 MIL connector (40 p)	NPN or PNP		1:2	XW2Z-RI□C-□	1	NPN Inputs	G7TC-IA16/ID16	2
Output Units										
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
Mixed I/O Units										
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				Conne ction 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-□	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
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 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
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

*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

DeviceNet Slaves				Conne- 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
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	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		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								
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	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		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				Conne- ction 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	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
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	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
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	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
Input Units										
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
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
32 outputs	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 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
Input Units										
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
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	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
Mixed I/O Units										
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				Conne- ction 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
Input Units										
32 inputs	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
64 inputs	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
96 inputs	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
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
	CS1W-OD292	2 Fujitsu connectors (56 p) (2, 48-point connectors)	Sourcing (PNP)		1:3	---	2	PNP outputs	G70A-ZOC16-4	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 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
48 inputs and 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 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
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 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
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 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
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 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

DeviceNet Slaves				Con- nec- 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
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 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
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 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	
Input Units											
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								
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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	2	
Mixed I/O Units											
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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	1	
	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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	1
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				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
Input Units										
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							
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
									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				Conne- ction pattern	XW2Z-R Cables			G70D/G70R Relay Terminals		
I/O capacity	Model	External connectors	Polarity		Connection	Model #1	Quantity required	Specifications	Model	Quantity required
Mixed I/O Units										
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	---	---	---	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	
	G70R-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	
	G70R-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		
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	---	---	---	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	
	G70R-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				Conne ction 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 (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							
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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 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)	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 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	2
	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	---	---	---	Inputs	No connectable models	
			Outputs: Sinking (NPN)		1:3	XW2Z-R□C-□-□	1	NPN outputs	G70D-SOC16/FOM16 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	3
	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	
Input unit Smart Slave DRT2-series MIL connector terminal											
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	
											G70D-VSOC16/VFOM16
											G70D-SOC08 *2
	DRT2-OD16ML-1	1 MIL connector (20 p)	PNP		1:1	XW2Z-RO□C	1	16 PNP outputs	G70D-SOC16-1/FOM16-1	1	
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	
											G70D-VSOC16/VFOM16
											G70D-SOC08 *2
	DRT2-OD32ML-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-MD32ML	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RM□-□-D1	1	NPN inputs	No connectable models		
								16 NPN outputs	G70D-SOC16/FOM16	1	
									G70D-VSOC16/VFOM16		
	G70D-SOC08 *2										
	DRT2-MD32ML-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	No connectable models		
								16 PNP outputs	G70D-SOC16-1/FOM16-1	1	
Smart Slave DRT2-series board terminal MIL connector type (Horizontal type)											
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	
											G70D-VSOC16/VFOM16
											G70D-SOC08 *2
	DRT2-OD32B-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-MD32B	1 MIL connector (40 p)	NPN	A	1:2	XW2Z-RM□-□-D1	1	16 NPN inputs	No connectable models		
								16 NPN outputs	G70D-SOC16/FOM16	1	
									G70D-VSOC16/VFOM16		
	G70D-SOC08 *2										
	DRT2-MD32B-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1	PNP inputs	No connectable models		
								16 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

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
Smart Slave DRT2-series board terminal MIL connector type (Vertical type)										
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	Inputs	No connectable models	
								16 NPN outputs	G70D-SOC16/FOM16 G70D-VSOC16/VFOM16 G70D-SOC08 *2 G70R-SOC08 *2	1
	DRT2-MD32BV-1	1 MIL connector (40 p)	PNP		1:2	XW2Z-RO□-□-D1	1		Inputs	No connectable models
								16 PNP outputs	G70D-SOC16-1/FOM16-1	1
Multiple I/O terminal connector type digital I/O unit (Fujitsu connector)										
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
Multiple I/O terminal multiple connector type digital I/O unit (Fujitsu connector)										
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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