XW2Z

CSM_XW2Z_DS_E_5_1

Connect Connector-Terminal
Block Conversion Units (XW2□) to
I/O Units for Programmable
Controllers with one touch.



Shielded

Ordering Information

For 32-point, Connector-type I/O Units for Programmable Controllers

XW2Z-□□□A

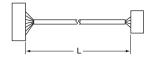
(For XW2D-20G6/XW2B-20G□/-40G5-T/-20G5-D/XW2C-20G5-IN16/20G6-IO16/XW2E-20G5-IN16/XW2F-20G7-IN16/-OUT16/XW2N-20G8-IN16)

Cable length L (m) *	Model
0.5	XW2Z-050A
1.0	XW2Z-100A
1.5	XW2Z-150A
2.0	XW2Z-200A
3.0	XW2Z-300A
5.0	XW2Z-500A
10.0	XW2Z-010A
15.0	XW2Z-15MA
20.0	XW2Z-20MA

XW2Z-□□**AU** (For XW2D-20C6)

Cable length L (m) *	Model
0.5	XW2Z-050AU
1.0	XW2Z-100AU
1.5	XW2Z-150AU
2.0	XW2Z-200AU
3.0	XW2Z-300AU
5.0	XW2Z-500AU

^{*}Cable length L (m)



For 32-point, Connector-type I/O Units (Group 2) for Programmable Controllers For 64-point, Connector-type I/O Units for Programmable Controllers

XW2Z-□□□**B** (For XW2D-40G6/XW2B-40G□)

Туре	Cable length L (m) *	Model
	0.5	XW2Z-050B
	1.0	XW2Z-100B
	1.5	XW2Z-150B
	2.0	XW2Z-200B
Normal wiring	3.0	XW2Z-300B
9	5.0	XW2Z-500B
	10.0	XW2Z-010B
	15.0	XW2Z-15MB
	20.0	XW2Z-20MB
	0.5	XW2Z-050B-R1
	1.0	XW2Z-100B-R1
Reverse	1.5	XW2Z-150B-R1
wiring	2.0	XW2Z-200B-R1
	3.0	XW2Z-300B-R1
	5.0	XW2Z-500B-R1

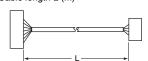
XW2Z-□□□**BU** (For XW2D-40C6)

Туре	Cable length L (m) *	Model
	0.5	XW2Z-050BU
	1.0	XW2Z-100BU
Normal	1.5	XW2Z-150BU
wiring	2.0	XW2Z-200BU
	3.0	XW2Z-300BU
	5.0	XW2Z-500BU

XW2Z- B-A (For XW2F-40G7-IN32)

Type	Cable length L (m) *	Model
	1.0	XW2Z-100B-A
	1.5	XW2Z-150B-A
Normal wiring	2.0	XW2Z-200B-A
9	3.0	XW2Z-300B-A
	5.0	XW2Z-500B-A

*Cable length L (m)

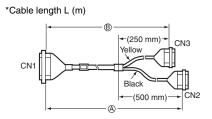


XW2Z-□□**B-B** (For XW2F-40G7-OUT32)

Туре	Cable length L (m) *	Model
	1.0	XW2Z-100B-B
	1.5	XW2Z-150B-B
Normal wiring	2.0	XW2Z-200B-B
9	3.0	XW2Z-300B-B
	5.0	XW2Z-500B-B

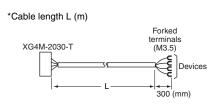
For 32-point, Connector-type Input Units (Group 2) for Programmable Controllers For 64-point, Connector-type Input Units for Programmable Controllers XW2Z-□□□D

Cable length L (m) *		Model
A	B	Model
1.0	0.75	XW2Z-100D
1.5	1.25	XW2Z-150D
2.0	1.75	XW2Z-200D
3.0	2.75	XW2Z-300D
5.0	4.75	XW2Z-500D
10.0	9.75	XW2Z-010D
15.0	14.75	XW2Z-15MD
20.0	19.75	XW2Z-20MD



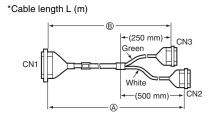
20-pole Cable with Discrete-wire Press-fit Terminals XW2Z-□□□F

Cable length L (m) *	Model
1.0	XW2Z-100F
1.5	XW2Z-150F
2.0	XW2Z-200F
3.0	XW2Z-300F
5.0	XW2Z-500F
10.0	XW2Z-010F
15.0	XW2Z-15MF
20.0	XW2Z-20MF



For 32-point, Connector-type Output Units (Group 2) for Programmable Controllers For 64-point, Connector-type Output Units for Programmable Controllers XW2Z-□□□L

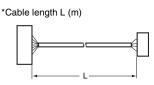
Cable length L (m) *		Model
(A)	B	Widdel
1.0	0.75	XW2Z-100L
1.5	1.25	XW2Z-150L
2.0	1.75	XW2Z-200L
3.0	2.75	XW2Z-300L
5.0	4.75	XW2Z-500L
10.0	9.75	XW2Z-010L
15.0	14.75	XW2Z-15ML
20.0	19.75	XW2Z-20ML



For 96-point, Connector-type I/O Units for Programmable Controllers

XW2Z-DDH-1 (For CS1-series I/O Unit Connection)

Special Connecting Cables *		
Cable length L (m)	Model	
0.5	XW2Z-050H-1	
1.0	XW2Z-100H-1	
1.5	XW2Z-150H-1	
2.0	XW2Z-200H-1	
3.0	XW2Z-300H-1	
5.0	XW2Z-500H-1	
7.0	XW2Z-700H-1	
10.0	XW2Z-010H-1	
1.0	XW2Z-100H-1G	
1.5	XW2Z-150H-1G	
2.0	XW2Z-200H-1G	
3.0	XW2Z-300H-1G	
5.0	XW2Z-500H-1G	



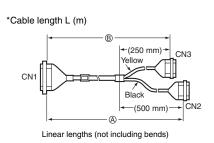
*Up to two cables required for each Programmable Controller I/O Unit.

Note: CS1 signal names connected to the XW2B/D are different for the XW2Z-□□□H-□ and the XW2Z-□□□H-□G.

Refer to the I/O Signal Tables on page 9.

XW2Z-DDH-2 (For CS1-series I/O Unit Connection)

Special Connecting Cables *			
Cable len	igth L (m)	Model	
A	B	Model	
1.0	0.75	XW2Z-100H-2	
1.5	1.25	XW2Z-150H-2	
2.0	1.75	XW2Z-200H-2	
3.0	2.75	XW2Z-300H-2	
5.0	4.75	XW2Z-500H-2	
10.0	9.75	XW2Z-010H-2	
1.0	0.75	XW2Z-100H-2G	
1.5	1.25	XW2Z-150H-2G	
2.0	1.75	XW2Z-200H-2G	
3.0	2.75	XW2Z-300H-2G	
5.0	4.75	XW2Z-500H-2G	



*Up to two cables required for each Programmable Controller I/O Unit.

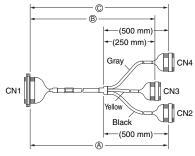
Note: CS1 signal names connected to the XW2B/D are different for the XW2Z-□□□H-□ and the XW2Z-□□□H-□G. Refer to the I/O Signal Tables on page 9.

XW2Z-□□□H-3 (For CS1-series I/O Unit Connection)

Special Connecting Cables *			
Model	Cable length L (m)		
	C	B	(A)
XW2Z-100H-3	1.0	0.75	1.0
XW2Z-150H-3	1.5	1.25	1.5
XW2Z-200H-3	2.0	1.75	2.0
XW2Z-300H-3	3.0	2.75	3.0
XW2Z-500H-3	5.0	4.75	5.0
XW2Z-010H-3	10.0	9.75	10.0

^{*}Up to two cables required for each Programmable Controller I/O Unit.

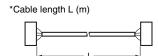
*Cable length L (m)



Linear lengths (not including bends)

For 32-point, MIL Connector-type I/O Units for Programmable Controllers XW2Z-□□□K

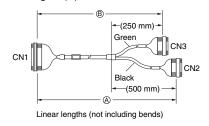
Cable length L (m) *	Model
0.25	XW2Z-C25K
0.5	XW2Z-C50K
1.0	XW2Z-100K
1.5	XW2Z-150K
2.0	XW2Z-200K
3.0	XW2Z-300K
5.0	XW2Z-500K



$XW2Z-\Box\Box\Box N$

Cable length L (m) *		Model
(A)	B	Wodel
1.0	0.75	XW2Z-100N
1.5	1.25	XW2Z-150N
2.0	1.75	XW2Z-200N
3.0	2.75	XW2Z-300N
5.0	4.75	XW2Z-500N
10.0	9.75	XW2Z-010N
15.0	14.75	XW2Z-15MN
20.0	19.75	XW2Z-20MN





XW2Z-□□□X

Cable length L (m) *	Model
0.5	XW2Z-C50X
1.0	XW2Z-100X
2.0	XW2Z-200X
3.0	XW2Z-300X
5.0	XW2Z-500X
10.0	XW2Z-010X

*Cable length L (m)



Ratings and Specifications

Rated current	1 A	
Rated voltage	125 VAC 24 VDC	
Contact resistance	20 mΩ max. (at 20 mV, 100 mA max.) *1	
Insulation resistance	100 MΩ min. (at 500 VDC)	
Dielectric strength	500 VAC for 1 min (leakage current: 1 mA max.) *2	
Ambient operating temperature	0 to 80°C	

^{*1.} Contact resistance for the Connector. *2. Dielectric strength for the Connector.

Materials and Finish

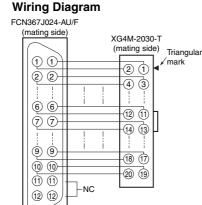
Item	P	art name		Materials and Finish	
		Housing		Fiber-glass reinforced PBT resin (UL94V-0)/black	
	XG4M-2030	Cover		Fiber-glass reinforced FBT Tesiff (OL94V-0)/black	
XG4N	XG4M-4030	0	Mating end	Phosphor bronze/nickel base, 0.15-µm gold plating	
		Contacts	Press-fit end	Phosphor bronze/nickel base, 2.0-µm tin plating	
Connectors	XG4T-2004/4004	Strain Relief		Fiber-glass reinforced PBT resin (UL94V-0)/black	
		Housing		Polyester resin (UL94V-0)/black	
	FCN-367J024-AU/F *	Contacts	Mating end	Copper alloy/gold plated	
	FCN-367J040-AU/F		Press-fit end	Copper alloy/tin plated	
		Connecting s	screw	Steel/nickel plated	
Cable	UL2464 Interface Cable	UL2464 Interface Cable		AWG28/Shielded	
Crimp terminal	Forked crimp terminal			1.25 Y AS 3.5 or the equivalent	

Note: These housings, contacts, and connecting screws are made by Fujitsu.

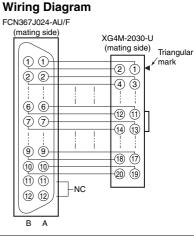
For 32-point, Connector-type I/O Units for Programmable Controllers

XW2Z-__\A (For XW2D-20G6/XW2B-20G_/-40G5-T/-20G5-D/ XW2C-20G5-IN16/20G6-IO16/XW2E-20G5-IN16/ XW2F-20G7-IN16/-OUT16/XW2N-20G8-IN16) **XW2Z-**□□**AU** (For XW2D-20C6)







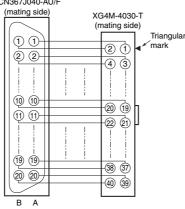


For 32-point, Connector-type I/O Units (Group 2) for Programmable Controllers For 64-point, Connector-type I/O Units for Programmable Controllers

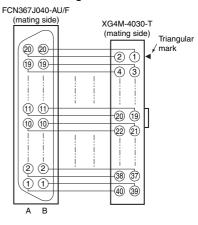
XW2Z-□□□**B** (For XW2D-40G6/XW2B-40G□)







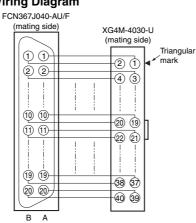
Reverse wiring



XW2Z- BU (For XW2D-40C6)







XW2Z-□□□**B-A** (For XW2F-40G7-IN32)



Wiring Diagram

,	_	•	
N3	67J040	-AU/F XC	34M-4030-T
	B20		1
	B19		- 2
	B18		- 3
	B17		- 5
	B16		7
	B15		9
	B14		- 11
	B13		13
	B12		15
	B11		17
	B10		19
	B9		- 4
	B8		- 6
	B7	-	- 8
	B6		10
	B5		12
	B4		14
	B3		16
	B2		18
	B1		20
	A20		21
	A19		- 22
	A18		23
	A17		25
	A16		27
	A15		29
	A14		31
	A13		33
	A12		35
	A11		37
	A10		39
	A9		24
	A8		26
	A7		28
	A6	ļ	30
	A5	ļ	32
	Λ 4	1	0.4

XW2Z-□□□B-B (For XW2F-40G7-OUT32)



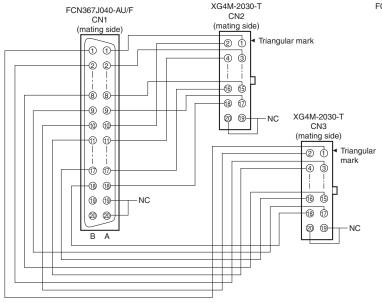
3	5		
FCN367J040	-AU/F	XG4M-4030	D-T
B20		1	
B19		3	
B18		5	
B17		7	
B16		9	
B15		11	
B14		13	
B13		15	
B12		17	
B11		19	
B10		2	
B9		4	
B8		6	
B7		8	
B6		10	
B5		12	
B4		14	
B3		16	
B2		18	
B1		20	
A20		21	
A19		23	
A18		25	
A17		27	
A16		29	
A15		31	
A14		33	
A13		35	
A12		37	
A11		39	
A10		22	
A9		24	
A8		26	
A7		28	
A6		30	
A5		32	
A4		34	
A3		36	
A2		38	
A1		40	

For 32-point, Connector-type Input Units (Group 2) for Programmable Controllers For 64-point, Connector-type Input Units for Programmable Controllers

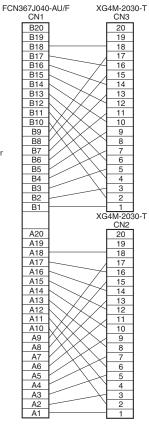
$XW2Z-\Box\Box\Box$



Wiring Diagram

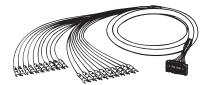


Note: G79-I □ C-□ Connecting Cables for the G7TC have different wiring and cannot be used with the XW2C.

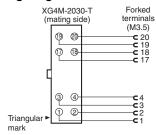


20-pole Cable with Discrete-wire Press-fit Terminals

XW2Z-□□□F



Wiring Diagram



Connector Pin No. Table

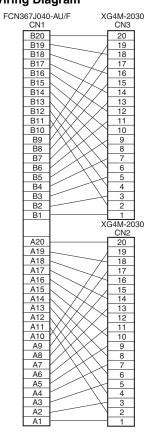
Forked terminal	No. of cores	Insulation color	Dot marks	Dot color	Connector pin No.
1	1	Blue		Red	1⊲
2	ı	Blue		Black	2
3	2	Pink		Red	3
4	2	Pink		Black	4
5	3	Green		Red	5
6	3	Green		Black	6
7	4	Orange		Red	7
8	4	Orange		Black	8
9	5	Gray		Red	9
10	5	Gray		Black	10
11	6	Blue		Red	11
12	0	Blue		Black	12
13	7	Pink		Red	13
14	,	Pink		Black	14
15	8	Green		Red	15
16	0	Green		Black	16
17	9	Orange		Red	17
18	9	Orange		Black	18
19	10	Gray		Red	19
20	10	Gray		Black	20

For 32-point, Connector-type Output Units (Group 2) for Programmable Controllers For 64-point, Connector-type Output Units for Programmable Controllers

XW2Z-□□□L



Wiring Diagram



For 96-point, Connector-type I/O Units for Programmable Controllers

XW2Z-UUH (For CS1-series I/O Unit Connection)







I/O Signal Tables (Example Using CN1 on CS1W-OD291)

XW2Z-□□□H-□	Connecting	Cables
~ · · · · · · · · · · · · · · · · · · ·	COLLICCTION	Cubics

XWZZ-UUUH-U COI	meeting cables
XW2Z-□□□H-3	XW2□-20G□ Word N (CN2) Word N+1 (CN3) Word N+2 (CN4) 0
XW2Z-□□□H-2	XW2□-40G□ Word N (CN2) Word N+1 (CN2) Word N+2 (CN3) 0 1 2 3 4 5 6 7 COM NC 0 1 2 3 4 5 6 7 COM NC ① ③ ⑤ ⑦ ⑨ ⑪ ③ ⑥ ⑰ ⑨ ② ② ② ③ ③ ③ ③ ② ② ③ ③ ③ ② 8 9 10 11 12 13 14 15 +V NC 8 9 10 11 12 13 14 15 +V NC XW2□-20G□ 0 1 2 3 4 5 6 7 COM NC 0 1 2 3 4 5 6 7 COM NC ① ③ ⑤ ⑦ ⑨ ⑪ ③ ⑥ ⑦ ◎ ⑪ ④ ⑥ ⑦ ② ② ⑥ ⑥ ② ② ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ⑥ ◎ ② ② ⑥ ⑥ ◎ ◎ ② ⑥ ⑥ ⑥ ◎ ◎ ② ⑥ ⑥ ◎ ◎ ② ⑥ ⑥ ◎ ◎ ② ⑥ ⑥ ◎ ◎ ② ⑥ ⑥ ◎ ◎ ② ⑥ ⑥ ◎ ◎ ② ⑥ ⑥ ◎ ◎ ② ⑥ ◎ ⑥ ◎
XW2Z-□□□H-1	XW2B-60G□ Word N (CN2) Word N+1 (CN2) Word N+2 (CN2) 0 1 2 3 4 5 6 7 COM 0 1 2 3 4 5 6 7 COM 0 1 2 3 4 5 6 7 COM 0 1 2 3 4 5 6 7 COM NC NC ① ③ ⑤ ⑦ ⑨ ⑪ ⑬ ⑬ ⑫ ⑭ ⑱ ⑫ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷ ❷

XW2Z-□□□H-□	CICT		Connor	ting Cables
Λ VV Z Z Π	G/G/:	<i></i>		illia Cables

XW2Z-UUUH-UG/G/9-UUUC-UUU-UUU Connecting Cables	
XW2□-20G□	
Word N (CN2) Word N+1 (CN3) Word N+2 (CN4)
+V NC 15 14 13 12 11 10 9 8 +V NC 15 14 13 12	
NC COM 7 6 5 4 3 2 1 0 NC COM 7 6 5 4	3 2 1 0 NC COM 7 6 5 4 3 2 1 0
XW2□-40G□	XW2□-20G□
Word N (CN2) Word N+ 1 (CN2)	Word N +2 (CN3)
+V NC 15 14 13 12 11 10 9 8 +V NC 15 14 13 12 11 10 XW2Z-DDH-2G	
24680246802468224	39 39 40 2 4 6 8 10 12 14 16 18 20
NC COM 7 6 5 4 3 2 1 0 NC COM 7 6 5 4 3	2 1 0 NC COM 7 6 5 4 3 2 1 0
XW2B-60G□	
Word N (CN2) Word N+1 (CN2)	Word N+2 (CN2)
XW2Z-DDH-1G +V NC 15 14 13 12 11 10 9 8 +V NC 15 14 13 12 11 10	
13579900000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2468024682223	39 39 49 49 49 49 59 59 59 59 59 69
NC COM 7 6 5 4 3 2 1 0 NC COM 7 6 5 4 3	2 1 0 NC COM 7 6 5 4 3 2 1 0

Note: The XW2Z- $\Box\BoxH-\BoxG$ I/O signal arrangement is oriented the same as the Connector Cable for the G79 I/O Relay Terminal.

For 32-point, MIL Connector-type I/O Units for Programmable Controllers

 $XW2Z-\Box\Box\Box N$

$XW2Z-\Box\Box\Box K$ **Wiring Diagram** XG4M-4030-T (mating side) XG4M-4030-T (mating side) Triangular mark 39 40 21 37 38 4 3 21 22 -20 (19 19 20 -22 21 3 4 -38 37 40 39 (1) (2) Triangular mark Note: Connector pins are connected 1-to-1 so

that pin numbers correspond.

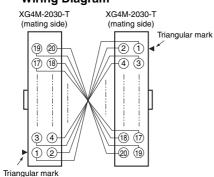
Wiring Diagram XG4M-2030-T CN2 (mating side) Triangular mark XG4M-4030-T (mating side) 2 (1) 39 40 4 3 37 38 18 (17) 23 24 -20 (19) 21 22 Triangular mark (19 (20) 2 1 (17) (18) 4 3 3 4 -18 (17 1 2 -20 (19 Triangular mark XG4M-2030-T CN3

(mating side)

$XW2Z-\Box\Box\Box X$



Wiring Diagram



Note: Connector pins are connected 1-to-1 so that pin numbers correspond.

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