Basic I/O Units

■ Input Units

Unit classification	Product name	Specifications					Current con-sumption (A)		Model	Standards
		I/O points	Input voltage and current	Commons	External connection	No. of words allocated	5 V	24 V		
CJ1 Basic I/O Units	DC Input Units	8 inputs	12 to 24 VDC, 10 mA	Independent contacts	Removable terminal block	1 word	0.08	---	CJ1W-ID201	UC1, N, L, CE
		16 inputs	24 VDC, 7 mA	16 points, 1 common	Removable terminal block	1 word	0.08	---	CJ1W-ID211	
		16 inputs High-speed type	24 VDC, 7 mA	16 points, 1 common	Removable terminal block	1 word	0.13	---	CJ1W-ID212	
		32 inputs	24 VDC, 4.1 mA	16 points, 1 common	Fujitsu connector	2 words	0.09	---	CJ1W-ID231 (See note.)	
		32 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	2 words	0.09	---	CJ1W-ID232 (See note.)	
		32 inputs High-speed type	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	2 words	0.20	---	CJ1W-ID233 (See note.)	
		64 inputs	24 VDC, 4.1 mA	16 points, 1 common	Fujitsu connector	4 words	0.09	---	CJ1W-ID261 (See note.)	
		64 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	4 words	0.09	---	CJ1W-ID262 (See note.)	
	AC Input Units	8 inputs	200 to 24 VAC, 10 mA (200 V, 50 Hz)	8 points, 1 common	Removable Terminal Block	1 word	0.08	---	CJ1W-IA201	
		16 inputs	100 to 120 VAC, 7 mA (100 V, 50 Hz)	16 points, 1 common	Removable Terminal Block	1 word	0.09	---	CJ1W-IA111	

Note: Connectors are not provided with these connector models. Either purchase one of the following 40-pin Connectors, or use an OMRON XW2R Connector-Terminal Block Conversion Unit (detail informations: XW2R series Connector-terminal block conversion unit Catalog (Catalog number: G077)) or a G7□ I/O Relay Terminal.

■ Output Units

Unit classification	Product name	Specifications						No. of words allocated	Current consumption (A)		Model	Standards
		Output type	I/O points	Maximum switching capacity	Commons	External connection			5 V	24 V		
CJ1 Basic I/O Units	Relay Contact Output Units	–	8 outputs	250 VAC/24 VDC, 2 A	Independent contacts	Removable terminal block		1 word	0.09	0.048 max.	CJ1W-OC201	UC1, N, L, CE
		–	16 outputs	250 VAC/24 VDC, 2 A	16 points, 1 common	Removable terminal block		1 word	0.11	0.096 max.	CJ1W-OC211	
	Triac Output Unit	–	8 outputs	250 VAC, 0.6 A	8 points, 1 common	Removable terminal block		1 word	0.22	–	CJ1W-OA201	
	Transistor Output Units	Sinking	8 outputs	12 to 24 VDC, 2 A	4 points, 1 common	Removable terminal block		1 word	0.09	–	CJ1W-OD201	
		Sinking	8 outputs	12 to 24 VDC, 0.5 A	8 points, 1 common	Removable terminal block		1 word	0.10	–	CJ1W-OD203	
		Sinking	16 outputs	12 to 24 VDC, 0.5 A	16 points, 1 common	Removable terminal block		1 word	0.10	–	CJ1W-OD211	
		Sinking	16 outputs High-speed type	24 VDC, 0.5 A	16 points, 1 common	Removable terminal block		1 word	0.15	–	CJ1W-OD213	
		Sinking	32 outputs	12 to 24 VDC, 0.5 A	16 points, 1 common	Fujitsu connector		2 words	0.14	–	CJ1W-OD231 (See note.)	
		Sinking	32 outputs	12 to 24 VDC, 0.5 A	16 points, 1 common	MIL connector		2 words	0.14	–	CJ1W-OD233 (See note.)	
		Sinking	32 outputs High-speed type	24 VDC, 0.5 A	16 points, 1 common	MIL connector		2 words	0.22	–	CJ1W-OD234 (See note.)	
		Sinking	64 outputs	12 to 24 VDC, 0.3 A	16 points, 1 common	Fujitsu connector		4 words	0.17	–	CJ1W-OD261 (See note.)	
		Sinking	64 outputs	12 to 24 VDC, 0.3 A	16 points, 1 common	MIL connector		4 words	0.17	–	CJ1W-OD263 (See note.)	
		Sourcing	8 outputs	24 VDC, 2 A Short-circuit protection	4 points, 1 common	Removable terminal block		1 word	0.11	–	CJ1W-OD202	
		Sourcing	8 outputs	24 VDC, 0.5 A Short-circuit protection	8 points, 1 common	Removable terminal block		1 word	0.10	–	CJ1W-OD204	
		Sourcing	16 outputs	24 VDC, 0.5 A Short-circuit protection	16 points, 1 common	Removable terminal block		1 word	0.10	–	CJ1W-OD212	
		Sourcing	32 outputs	24 VDC, 0.5 A Short-circuit protection	16 points, 1 common	MIL connector		2 words	0.15	–	CJ1W-OD232 (See note.)	
		Sourcing	64 outputs	12 to 24 VDC, 0.3 A	16 points, 1 common	MIL connector		4 words	0.17	–	CJ1W-OD262 (See note.)	

Note: Connectors are not provided with these connector models. Either purchase one of the following 40-pin Connectors, or use an OMRON XW2R Connector-Terminal Block Conversion Unit (detail informations: XW2R series Connector-terminal block conversion unit Catalog (Catalog number: G077)) or a G7☐ I/O Relay Terminal.

● **Applicable Connector-terminal block conversion unit**
Example: With OMRON Connector-terminal block conversion unit

Only main products are shown here.
More detail informations are shown in XW2R series Connector-terminal block conversion unit Catalog (Web Catalog number: G077)
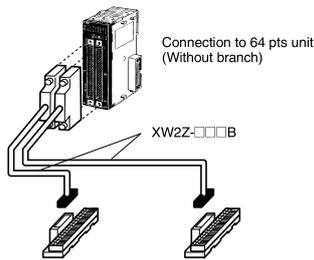
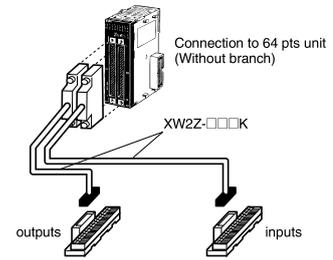**32-point Input Unit or Output Unit**
CJ1W-ID231 32-point

Connection to 32 pts unit
(Without branch)

XW2Z-□□B
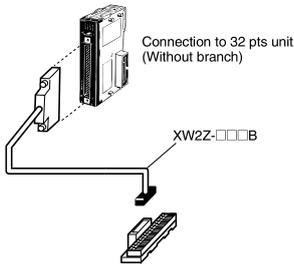
64-point Input Unit or Output Unit
CJ1W-ID261 64-point

Connection to 64 pts unit
(Without branch)

XW2Z-□□B

64-point Output Unit
CJ1W-MD563 IN 32 Points, OUT 32 Points

Connection to 64 pts unit
(Without branch)

XW2Z-□□K

outputs   inputs

Choose the wiring method.
Choose □□ from a following combination table PLC type.

Wiring method	Model
Models with Phillips screw	XW2R-J34G-□□
Models with Slotted screw (rise up)	XW2R-E34G-□□
Models with Push-in spring	XW2R-P34G-□□

Combination table

PLC Type	I/O	I/O Points	I/O unit model	Connecting cables
C1	Input	32	CJ1W-ID231	XW2Z-□□B 32-point Unit: 1 Cable 64-point Unit: 2 Cables
		64	CJ1W-ID261	
	Input/Output	32	CJ1W-MD261 (inputs)	
C2	Input	32	CJ1W-ID232	XW2Z-□□K 32-point Unit: 1 Cable 64-point Unit: 2 Cables
			CJ1W-ID233	
		64	CJ1W-ID262	
	Input/Output	32	CJ1W-MD263 (inputs)	
			CJ1W-MD563 (inputs)	
C3	Output	32	CJ1W-OD231	XW2Z-□□B 32-point Unit: 1 Cable 64-point Unit: 2 Cables
		64	CJ1W-OD261	
	Input/Output	32	CJ1W-MD261 (outputs)	
C4	Output	32	CJ1W-OD232	XW2Z-□□K 32-point Unit: 1 Cable 64-point Unit: 2 Cables
			CJ1W-OD233	
			CJ1W-OD234	
		64	CJ1W-OD262	
			CJ1W-OD263	
	Input/Output	32	CJ1W-MD263 (outputs)	
			CJ1W-MD563 (outputs)	

Note: 1. □□ is replaced by the cable length.
2. There is one common for each 32 points.