

I/O Relay Terminal G70V

I/O Relay Terminals with 16 Points and Push-In Plus terminal blocks to Downsize Control Panels and Save Labor







- I/O Relay Terminals with 16 points to mount G2RV Slim I/O Relays.
- Push-In Plus terminal blocks are used to save wiring work in comparison with traditional screw terminals. (Wiring time is reduced by 60%* in comparison with traditional screw terminals.)
- Work is reduced ever further with one-step cable connection to the PLC.
- Diode provided for coil surge absorption.
- Operation indicators for immediate recognition of I/O signal status.
- Accepts G3RV Slim I/O SSRs.
- DIN Track or screw mounting.
- * According to OMRON actual measurement data from November 2015.



Refer to Safety Precautions on page 9.



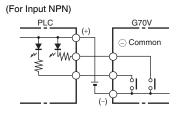


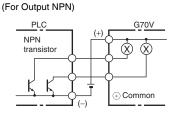
For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

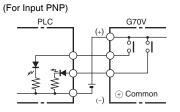
Model Number Legend

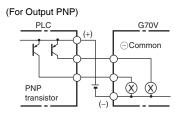
G70V - \square \square \square \square \square 16 \square (6)

- (1) Mountable Relays
 - S: Relays
 - Z: Sockets
- (2) Input/Output Classification
 - I: For input
 - O: For output
- (3) I/O Specification
 - C: Contacts (Applicable when (2) is O (for output) (relay output).)
 - D: DC (Applicable when (2) is I (for input) (coil for input).)
 - M: AC/DC (Applicable when (1) is Z (Sockets).)
- (4) Number of I/O Points
 - 16: 16 points
- (5) Terminal Type
 - P: Push-In Plus terminal blocks
- (6) Internal I/O Circuit Common
 - Blank: NPN
 - 1: PNP









Ordering Information

I/O Relay Terminal

Terminals	Туре	Points	Internal I/O circuit common	Rated voltage	Model	
	Input #1	NPN (- common)		NPN (- common)		G70V-SID16P
Push-In Plus terminal blocks	input *1		PNP (+ common)	24 VDC	G70V-SID16P-1	
Fusii-iii Fius teiminai biocks	O. day 4 400		NPN (+ common)		G70V-SOC16P	
	Output *2		PNP (- common)		G70V-SOC16P-1	

***1.** Mountable Relays: G2RV-1-S-AP-G DC21V. ***2.** Mountable Relays: G2RV-1-S-G DC21V.

Relay Terminal Sockets

Applicable I/O Relay Terminal	Туре	Common Processing in Connector	Model
G70V-SID16P	Innut	NPN (- common)	G70V-ZID16P
G70V-SID16P-1	Input	PNP (+ common)	G70V-ZID16P-1
G70V-SOC16P	Output	NPN (+ common)	G70V-ZOM16P
G70V-SOC16P-1	Output	PNP (- common)	G70V-ZOM16P-1

Note: Relays are not mounted to the G70V-ZID/ZOM16P(-1) Relay Terminal Sockets. Combine the Relay Terminal Sockets with Slim I/O Relays or Slim I/O SSRs.

Accessories (Order Separately)

Mountable Relays

Applicable I/O Relay Terminal	Туре	Classification		Model	
G70V-SID16P(-1)	Input	Slim I/O Relays *1		G2RV-1-S-AP-G DC21	
		Slim I/O Bolovo	No Latching L	ever * 2	G2RV-1-S-G DC21
		Slim I/O Relays	Latching Lever		G2RV-1-SI-G DC21
G70V-SOC16P(-1)	Output	Slim I/O SSRs	For AC	Zero cross function	G3RV-202S DC24
				FOI AC	No zero cross function
			For DC		G3RV-D03SL DC24

Note: To use Slim I/O SSRs, either remove the Slim I/O Relays to mount them or order a Relay Terminal Socket and I/O SSRs separately and

When ordering, designate the rated voltage.

Connecting Cables XW2Z-R

• Cable with Loose Wire and Crimp Terminals:	XW2Z-RY□C
Cable with Loose Wires:	XW2Z-RA□C
Cable with Fujitsu connectors (1:1):	XW2Z-R□C
(1:2):	XW2Z-RI□C-□
	XW2Z-RO□C-□
(1:3):	XW2Z-R□C-□-□
Cable with MIL connectors (1:1):	XW2Z-RI□C
	XW2Z-RO□C
(1:2):	XW2Z-RI□-□-D□
	$XW2Z-RM\Box-\Box-D\Box$
	XW2Z-RO□-□-D1

Refer to Applicable Cables on page 11 for details.

Labels

Model	Minimum order (sheet) (quantity per sheet)
XW5Z-P2.5LB2	5 (1 sheet / 72 pieces)

Parts for DIN Track Mounting

Тур	е	Model	Minimum order (quantity)
DIN	1 m	PFP-100N	
Tracks	0.5 m	PFP-50N	
End Plate		PFP-M	10
Spacer		PFP-S	10

Refer to your OMRON website for details on the PFP-.

^{*1.} G2RV-1-S-AP-G Slim I/O Relays are mounted to G70V-SID16P(- 1) I/O Relay Terminals as a standard feature. *2. G2RV-1-S-G Slim I/O Relays are mounted to G70V-SOC16P(- 1) I/O Relay Terminals as a standard feature.

Specifications

Coil Ratings (Common to Input/Output per Relay)

Item Rated voltage (V)	Rated current (mA)	Coil resistance (Ω)	Must operate of rated voltage	Must release of rated voltage	Maximum voltage of rated voltage	Power consumption (mW)
24 VDC	13.3	1575	80% max.	10% min.	110%	Approx. 280

- Note: 1. The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of ±15% for coil resistance.
 - 2. The operating characteristics are measured at a coil temperature of 23°C.
 - 3. The value for maximum voltage is the maximum value within the allowable voltage fluctuation range for the relay coil's operating power supply. Continuous operation at this voltage is not within product specifications.
 - **4.** The rated current includes the current for the indicators on the I/O Relay Terminal.

Contact Ratings (G2RV-1-S-G I/O Relay)

Classification	For input	For	output
Item	Resistive load (cos	Resistive load (cosφ=1)	Inductive load (cos¢=0.4 L/R=7 ms)
Rated load	50 mA at 30 VAC 50 mA at 36 VDC	6 A at 250 VAC 6 A at 30 VDC	2.5 A at 250 VAC 2 A at 30 VDC
Rated carry current	50 mA	6 A	<u> </u>
Max. switching voltage	30 VAC, 36 VDC	250 VAC, 125 VDC	
Max. switching current	50 mA	6 A	
Maximum switching capacity		1,500 VA 180 W	500 VA 60 W
Error rate (reference value) *	1 mA at 100 mVDC	10 mA at 5 VDC	
Electrical life expectancy	5,000,000 operations min.	NO contacts: 70,000 operations m NC contacts: 50,000 operations m	
Mechanical life expectancy	5,000,000 operations min.	5,000,000 operations min.	

^{*}The above values are for a switching frequency of 120 operations/min.

Characteristics

Item	Model	G70V-SID16P(-1) (Input, DC coil)	G70V-SOC16P(-1) (output, DC coil)	
Contact for	m	SPST-NO x 16 SPDTx16		
Contact ma	terial	Ag alloy + Au plating Ag alloy		
Contact res	istance * 1	150 m Ω max.		
Must Opera	te time * 2	20 ms max.		
Release tim	e * 2	40 ms max.		
Max.	Mechanical limit	18,000 operations/hour		
switching frequency	At rated load	1,800 operations/hr (under rated load)		
Insulation re	esistance	100 M Ω min.		
Dielectric st	trength	Between coil and contacts: 2,500 VAC for 1 min		
Vibration re	sistance	100 m/s ²		
Shock resis	tance	100 m/s², 3 times each in 6 directions along 3 axes		
Noise immu	ınity	Noise level: 1.5 kV; pulse width: 100 ns to 1 μs		
Ambient op temperature		-40 to 55°C (with no icing or condensation)		
Ambient op	erating humidity	35% to 85% RH		
LED color	Power supply	Green		
LED COIOI	I/O	Yellow		
Weight	-	Approx. 350 g Approx. 370 g		

Note: The above values are initial values.

Applicable Standards

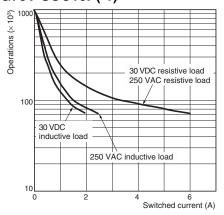
• UL 61010-2-201, CAN/CSA-C22.2 No.61010-2-201, TÜV (EN 61810-1)

^{*1.} Measurement condition: 1 A at 5 VDC.

^{*2.} Ambient temperature: 23°C.

Engineering Data (Reference Value)

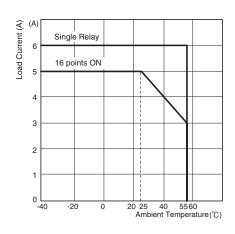
Endurance Curve (NO Contacts) G70V-SOC16P(-1)



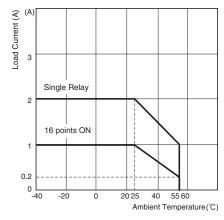
Note: These data are actual measured values that were sampled from the production line and prepared in graph format, and are for reference purposes only. A relay is manufactured by mass production, and as a basic rule must be used with allowance made for a certain amount of deviation

Load Current vs. Ambient Temperature

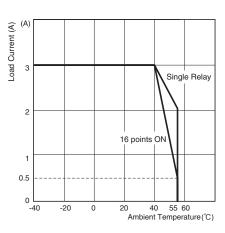
G70V-SOC16P(-1)



G3RV-202S DC24 G3RV-202SL DC24



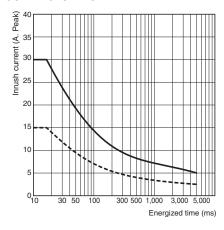
G3RV-D03 DC24



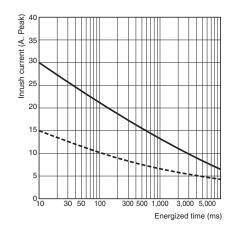
Inrush Current Resistance: Non-repetitive

The following graphs show the maximum inrush currents that can be withstood for non-repetitive operation. For repetitive operation, the figures should be reduced by half.

G3RV-202S DC24 G3RV-202SL DC24



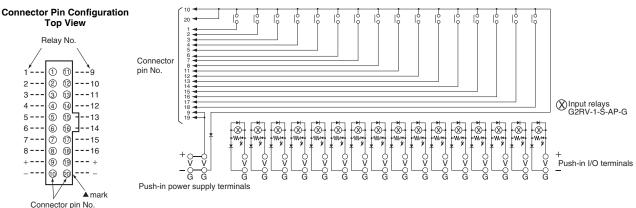
G3RV-D03 DC24



Terminal Arrangement/Internal Connection

G70V-SID16P

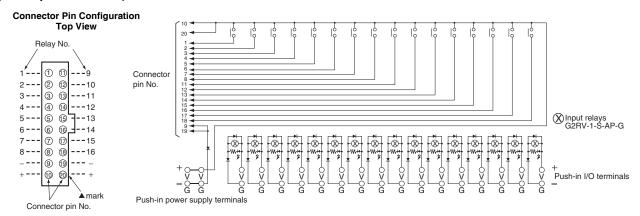
(NPN input/- common)



Note: Pin numbers are indicated for convenience. The ▲ mark can be used to determine orientation.

Terminal name	Description
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)
G (push-in power supply terminals)	of the power supply terminals (24 VDC)
V (push-in I/O terminals)	Relay-drive coil terminals (24 VDC)
G (push-in I/O terminals)	nelay-unive con terminais (24 vDO)

G70V-SID16P-1 (PNP input/+ common)



Note: Pin numbers are indicated for convenience. The ▲ mark can be used to determine orientation.

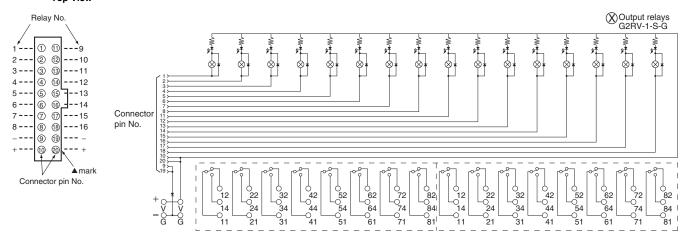
Terminal name	Description
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)
G (push-in power supply terminals)	of the power supply terminals (24 VDO)
V (push-in I/O terminals)	Relay-drive coil terminals (24 VDC)
G (push-in I/O terminals)	Helay-unive con terminals (24 VDO)

G70V-SOC16P

(NPN output/+ common)

Note: A controller with an NPN transistor, common output can be connected to the G70V-SOC16P.

Connector Pin Configuration Top View



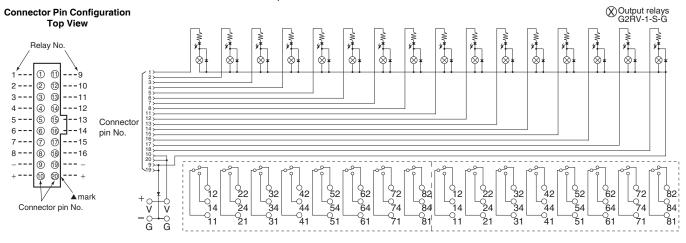
Note: Pin numbers are indicated for convenience. The ▲ mark can be used to determine orientation.

Terminal name	Description
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)
G (push-in power supply terminals)	Offic power supply terminals (24 VDC)
11 to 81 (push-in I/O terminal common terminals)	
12 to 82 (push-in I/O terminal NC terminals)	Relay contact terminals
14 to 84 (push-in I/O terminal NO terminals)	

G70V-SOC16P-1

(PNP output/- common)

Note: A controller with a PNP transistor, + common output can be connected to the G70V-SOC16P-1.



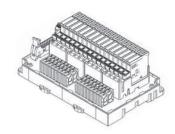
Note: Pin numbers are indicated for convenience. The ▲ mark can be used to determine orientation.

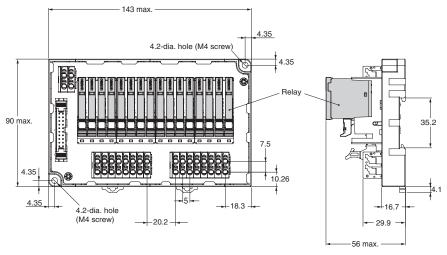
Terminal name	Description		
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)		
G (push-in power supply terminals)	Shirt power supply terminals (24 VDC)		
11 to 81 (push-in I/O terminal common terminals)	Relay contact terminals		
12 to 82 (push-in I/O terminal NC terminals)			
14 to 84 (push-in I/O terminal NO terminals)			

Dimensions (Unit: mm)

I/O Relay Terminals and Relay Terminal Sockets

For Inputs G70V-SID16P G70V-SID16P-1 G70V-ZID16P G70V-ZID16P-1

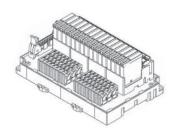


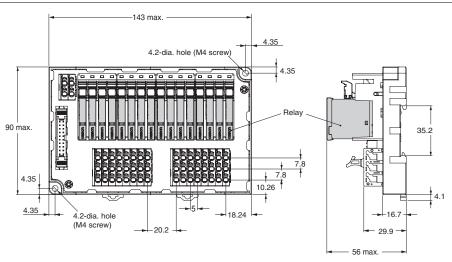


Note: 1. Relays are not mounted to the G70V-ZID16P(-1) Relay Terminal Sockets. The dimensions are for when Relays are not mounted.

2. Specified mounting torque: 0.59 to 0.98 N·m.

For Outputs G70V-SOC16P G70V-SOC16P-1 G70V-ZOM16P G70V-ZOM16P-1





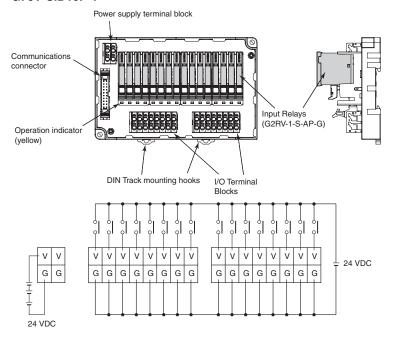
Note: 1. Relays are not mounted to the G70V-ZOM16P(-1) Relay Terminal Sockets. The dimensions are for when Relays are not mounted.

2. Specified mounting torque: 0.59 to 0.98 N·m.

I/O Relay Terminal Details

Input Relay Terminal

G70V-SID16P G70V-SID16P-1



 Supply a power supply that meets the voltage specifications for both the Relays and I/O Relay Terminal to the V and G terminals.

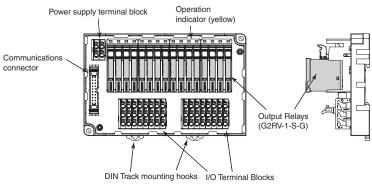
Make sure that the polarity is correct.

The V terminals are positive and the G terminals are negative.

 Supply the rated voltage (24 VDC) of the Controller's input circuit to the power supply input terminals (V and G). Use a power supply with low noise.

Output Relay Terminal

G70V-SOC16P G70V-SOC16P-1



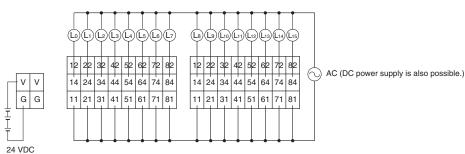
 Supply a power supply that meets the voltage specifications for both the Relays and I/O Relay Terminal to the V and G terminals.

Make sure that the polarity is correct.

The V terminals are positive and the G terminals are negative.

- The terminals (11 to 81, 12 to 82, and 14 to 84) are contact outputs. Supply a suitable power supply for the loads.
- The power supply input terminals (V and G) supply power to both drive the Relays and to operate the Controller's output transistors

Align the voltage specifications of the Controller and the I/O Relay Terminal.



Safety Precautions

Be sure to read the *Common Precautions for I/O Relay Terminal* in the website at the following URL: http://www.ia.omron.com/.

Warning Indications

Precautions for Safe Use	Supplementary comments on what to do or avoid doing, to use the product safely.
Precautions for Correct Use	Supplementary comments on what to do or avoid doing, to prevent failure to operate, malfunction, or undesirable effects on product performance.

Precautions for Safe Use

Transportation

- Do not transport the I/O Relay Terminal under the following locations. Doing so may occasionally result in damage, malfunction, or deterioration of performance characteristics.
 - · Locations subject to water or oil
 - · Locations subject to high temperature or high humidity
 - Locations subject to condensation due to rapid changes in temperature

Operating and Storage Environments

- Do not use or store the I/O Relay Terminal in the following locations. Doing so may result in damage, malfunction, or deterioration of performance characteristics.
 - · Locations subject to rainwater or water splashes
 - Locations subject to exposure to water, oil, or chemicals
 - · Locations subject to high temperature or high humidity
 - Locations subject to ambient storage temperatures outside the range –40 to 65°C
 - Locations subject to ambient operating temperatures outside the range -40 to 55°C
 - Locations subject to relative humidity outside the range 35% to 85% or locations in which condensation may occur due to rapid changes in temperature
 - · Locations subject to corrosive gases or inflammable gases
 - Locations subject to dust, salts, or iron, or locations where there is salt damage
 - · Locations subject to direct sunlight
 - · Locations subject to shock or vibration

Installation and Mounting

- Mount the I/O Relay Terminal in the specified direction. Otherwise excessive heat generated by the I/O Relay Terminal may occasionally cause burning.
- Mount the I/O Relay Terminal firmly to a DIN Track. Otherwise, the I/O Relay Terminal may fall off.
- Do not handle the I/O Relay Terminal with oily or dusty (especially iron dust) hands.
- Make sure that there is no excessive ambient temperature rise due to the heat generation of the I/O Relay Terminal. If the I/O Relay Terminal is mounted inside a panel, install a fan so that the interior of the panel is fully ventilated.

Installation and Wiring

- Use wires that are suited to the load current and voltage.
 Otherwise, excessive heat generated by the wires may cause burning or may cause the wire covering to melt, possibly leading to electric shock.
- Do not use wires with a damaged outer covering. Otherwise, it may result in electric shock or ground leakage.
- Do not wire any wiring in the same duct or conduit as power or high-tension lines. Otherwise, inductive noise may damage the I/O Relay Terminal or cause it to malfunction.
- Do not apply a voltage or current that exceeds the rating to any terminal. Doing so may result in failure or burning.

Push-In Plus Terminal Blocks

- · Do not wire anything to the release holes.
- Do not tilt or twist a flat-blade screwdriver while it is inserted into a release hole on the terminal block. The terminal block may be damaged.
- Insert a flat-blade screwdriver into the release holes at an angle.
 The terminal block may be damaged if you insert the screwdriver straight in.
- Do not allow the flat-blade screwdriver to fall out while it is inserted into a release hole.
- Do not bend a wire past its natural bending radius or pull on it with excessive force. Doing so may cause the wire disconnection.
- Do not insert more than one wire into each terminal insertion hole.
- To prevent wiring materials from smoking or ignition, use the wiring materials given in the following table.

	Stripping length			
Recommended wire gauge	Ferrules used	Ferrules not used		
0.25 to 1.5mm ² /AWG24 to 16	10 mm	8 mm		

Application

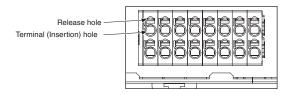
- Select a load within the rated values. Not doing so may result in malfunction, failure, or burning.
- The I/O Relay Terminal may occasionally rupture if short-circuit current flows. As protection against accidents due to shortcircuiting, be sure to install protective devices, such as fuses and no-fuse breakers, on the power supply side.
- Use a power supply within the rated frequencies. Otherwise, malfunction, failure, or burning may occasionally occur.
- Minor electric shock may occasionally occur. Always turn OFF the power supply before performing wiring.

Precautions for Correct Use

- Do not drop the I/O Relay Terminal or subject it to abnormal vibration or shock during transportation or mounting. Doing so may result in deterioration of performance, malfunction, or failure.
- Do not transport an I/O Relay Terminal when it is not packaged.
 Damage or failure may occur.
- Use a power supply with low noise.

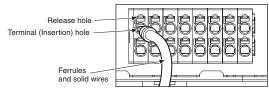
Push-In Plus Terminal Blocks

1. Connecting Wires to the Push-In Plus Terminal Block Part Names of the Terminal Block



Connecting Wires with Ferrules and Solid Wires

Insert the solid wire or ferrule straight into the terminal block until the end strikes the terminal block.

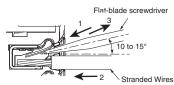


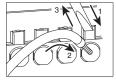
 If a wire is difficult to connect because it is too thin, use a flat-blade screwdriver in the same way as when connecting stranded wire.

Connecting Stranded Wires

Use the following procedure to connect the wires to the terminal block.

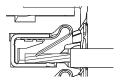
- Hold a flat-blade screwdriver at an angle and insert it into the release hole.
 - The angle should be between 10° and 15°. If the flat-blade screwdriver is inserted correctly, you will feel the spring in the release hole.
- With the flat-blade screwdriver still inserted into the release hole, insert the wire into the terminal hole until it strikes the terminal block.
- 3. Remove the flat-blade screwdriver from the release hole.





Checking Connections

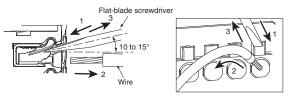
- After the insertion, pull gently on the wire to make sure that it will not come off and the wire is securely fastened to the terminal block.
- To prevent short circuits, insert the stripped part of a stranded or solid wire or the conductor part of a ferrule until it is hidden inside the terminal insertion hole. (See the following diagram.)



2. Removing Wires from the Push-In Plus Terminal Block

Use the following procedure to remove wires from the terminal block. The same method is used to remove stranded wires, solid wires, and ferrules.

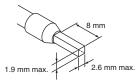
- Hold a flat-blade screwdriver at an angle and insert it into the release hole.
- With the flat-blade screwdriver still inserted into the release hole, remove the wire from the terminal insertion hole.
- 3. Remove the flat-blade screwdriver from the release hole.



3. Recommended Ferrules and Crimp Tools Recommended ferrules

Applicable wire Ferrule		Recommended ferrules				
(mm²)	(AWG)	Conduct or length (mm)	Phoenix Contact product	Weidmuller product	Wago product	
0.25	24	8	AI0.25-8	H0.25/12	FE-0.25-8N-YE	
0.34	22	8	AI0.34-8	H0.34/12	FE-0.34-8N-TQ	
0.5	20	8	AI0.5-8	H0.5/14	FE-0.5-8N-WH	
0.75	18	8	AI0.75-8	H0.75/14	FE-0.75-8N-GY	
1/1.25	18/17	8	AI1-8	H1.0/14	FE-1.0-8N-RD	
1.25/1.5	17/16	8	Al1.5-8	H1.5/14	FE-1.5-8N-BK	
Recomm	Recommended crimp tool		CRIMPFOX6 CRIMPFOX6T-F CRIMPFOX10S	PZ6 roto	Variocrimp4	

- Note: 1. Make sure that the outer diameter of the wire coating is smaller than the inner diameter of the insulation sleeve of the recommended ferrule.
 - Make sure that the ferrule processing dimensions conform to the following figures.

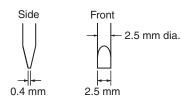


Recommended Flat-blade Screwdriver

Use a flat-blade screwdriver to connect and remove wires.

Use the following flat-blade screwdriver.

The following table shows manufacturers and models as of 2015/Dec.



Model	Manufacturer
ESD0.40×2.5	Wera
SZS 0.4×2.5 SZF 0-0.4×2.5 *	Phoenix Contact
0.4×2.5×75 302	Wiha
AEF.2.5×75	Facom
210-719	Wago
SDI 0.4×2.5×75	Weidmuller

*OMRON's exclusive purchase model XW4Z-00B is available to order as SZF 0-0.4 × 2.5 (manufactured by Phoenix Contact).

Applicable Cables

Cables with Lose Wires and Chrimp Terminals XVV2Z-RYLO Cables with Lose Wires XVV2Z-RYLO 16 I/O points XVV2Z-RYLO 16 I/O points XVV2Z-RYLO Cables with Lose Wires XVV2Z-RYLO Cables with Lose XVV2Z-RYLO 16 I/O points XVV2Z-RYLO Cables with Lose XVV2Z-RYLO 16 I/O points XVV2Z-RYLO 16 I/O points XVV2Z-RYLO Cables with Lose XVV2Z-RYLO 16 I/O points XVV2Z-RYLO 17 I/O 18 I/O points XVV2Z-RYLO 18 I/O points XVV2Z-RYLO 19 I/O 19 I/	Name)	Appearance	Cable	e leng	th L (mm)	Connecting Cables	Applicable Connectors
1,000			End A End D	1,000			XW2Z-RY100C	
Simple tength (without bends) Simple tength (without bends	Wires and Crimp Terminals			1,500			XW2Z-RY150C	Various devices
Simple tength (without bends) Simple tength (without bends		16 I/O points		2,000			XW2Z-RY200C	
Cables with Loose Witer Market Loose Witer American Connectors (1:1) XW2Z-RIGC Cables with Loose Witer American Connectors (1:1) XW2Z-RIGC Cables with Loose Witer American Connectors (1:1) XW2Z-RIGC Cables with Loose Witer Connectors (1:1) XW2Z-RIGC Cables with Connectors (1:2) XW2Z-RIGC Connectors (1:2) XW2Z-RIGC Cables with Connectors (1:2) XW2Z-RIGCC Connectors (1:2) XW2Z-RIGCC Cables with Connectors (1:2) XW2Z-RIGCC Connectors (1:2) XW2Z-RIGCC Cables with Connectors (1:2) XW2		·	5	·			XW2Z-RY300C	
Cables with Loose Wires 18 I/O points 18			300 L —					-
Cables with Connectors (1:1) 20 20 20 20 20 20 20 2		10.110			,			Verious desires
Cables with Connectors (1:1) 16 I/O points		16 I/O points	300	5,000	5,000		XW2Z-RA500C	- Various devices
Cables with Connectors (1:1) Cables with Connectors (1:2) Cables				1,000			XW2Z-R100C	
Cables with Connectors (1:1) 16 I/O points 16 I/O points 16 I/O points 17 I/O points	Cables with		П	1,500			XW2Z-R150C	
Some Substitute		16 I/O points		2,000			XW2Z-R200C	
Cables with Connectors (1:2) XW2Z-HILDC-TABLE Straight length (without bends) Cables with Connectors (1:1) XW2Z-HILDC-TABLE XW2Z-HILDC	XW2Z-R□C			3,000			XW2Z-R300C	_ connectors (1.1)
Cables with Connectors (1:2) XW2Z-HILDC-TABLE Straight length (without bends) Cables with Connectors (1:1) XW2Z-HILDC-TABLE XW2Z-HILDC			l ←	5.000			XW2Z-R500C	1
Cables with Connectors (1:2) XW2Z-RIDC-LIS (A) 2,000 (B) 1,750 XW2Z-RIDC-175 (A) 2,000 (B) 1,750 XW2Z-RIDC-175 (A) 3,000 (B) 2,750 XW2Z-RIDC-175 (A) 1,000 (B) 750 XW2Z-RIDC-175 (A) 1,000 (B) 1,750 XW2Z-RIDC-125 (A) 1,000 XW2Z-RIDC-125 ((B) 750		
Cables with Connectors (1:2) XW2Z-RID.C-□. XW2Z-RID.C. XW2Z-RI						. ,		
Cables with Connectors (1:2) XW2Z-R□C-□		20 innut nainta	(A)	` , .				
Cables with Connectors (1:2) XW2Z-RIDC-I Cables with Connectors (1:3) XW2Z-RIDC-I Cables with Connectors (1:1) XW2Z-RIDC-I Cables with Connectors (1:2)		32 input points		• • •				_
XW2Z-RICC-I. XW2Z-ROCC-II (A) 1,000 (B) 7,50 (B) 1,250 (C) 1,000 (B) 2,750 (B) 1,250 (C) 1,000 (B) 2,750 (C) 1,500 (B) 1,250 (C) 1,250	Cables with			. , ,				
A 1,000 B 750 XW2Z-R0150C-125 XW2Z-R0200C-175 XW2Z-R0200C-175 XW2Z-R0200C-175 XW2Z-R0200C-175 XW2Z-R0200C-175 XW2Z-R0200C-175 XW2Z-R0300C-275 XW2Z-				(A) 5,000		(B) 4,750	XW2Z-RI500C-475	
Cables with Connectors (1:3) XW2Z-ROSOC			(120)	(A) 1,000		(B) 750	XW2Z-RO100C-75	connectors (1:2)
All Cables with Connectors (1:3) XW2Z-ROSC XW2			` '	(A) 1,500		(B) 1,250	XW2Z-RO150C-125	
Cables with Connectors (1:3) XW2Z-R□C-□-□ Cables with Connectors (1:1) XW2Z-R□C-□-□ Cables with Connectors (1:1) XW2Z-R□C-□-□-□ Cables with Connectors (1:1) XW2Z-R□C-□-□-□-□-□-□-□-□-□-□-□-□-□-□-□-□-□-□		32 output points		. , .		(B) 1,750	XW2Z-RO200C-175	
Cables with Connectors (1:3) XW2Z-RDC-I						(B) 2,750	XW2Z-RO300C-275	
Cables with Connectors (1:3) XW2Z-RIGC- 48 I/O points				(A) 5,000		(B) 4,750	XW2Z-RO500C-475	1
Cables with Connectors (1:2) XW2Z-R□C. The figure points (A) 2,000 (B) 1,750 (C) 1,500 (C) 2,500 (C) 2,				(A) 1,500	(B) 1,	250 (C) 1,000	XW2Z-R150C-125-100	
Cables with Connectors (1:1) XW2Z-RIGC Cables with Connectors (1:1) XW2Z-RIGC XW2Z-RIGC Cables with Connectors (1:1) XW2Z-RIGC X	Connectors (1:3)	48 I/O points		(A) 2,000	(B) 1,	750 (C) 1,500	XW2Z-R200C-175-150	
Cables with Connectors (1:1) XW2Z-RI□C, XW2Z-RO□C 16 output points 17 output points 18 output points 19 output points 10 output points 11 output points 12 output points 13 output points 14 output points 15 output points 16 input points 16 input points 16 input points 17 output points 18 output points 19 output points 10 output points			1 ' '	(A) 3,000	(B) 2,	750 (C) 2,500	XW2Z-R300C-275-250	
Cables with Connectors (1:2) XW2Z-RI□-□-D1, XW2Z-RI□-□-D1, XW2Z-RI□-□-D2, XW2Z-RI□-□-D1, XW2Z-RI□-□-D2, XW2Z-R	Cables with	16 input points		250			XW2Z-RI25C	
XW2Z-RO□C 16 output points 250 XW2Z-RO50C 500 XW2Z-RO50C (A) 500 (B) 250 XW2Z-RI50-25-D1 (A) 750 (B) 500 XW2Z-RI75-50-D1 (A) 500 (B) 250 XW2Z-RO50-25-D1 (A) 500 (B) 250 XW2Z-RO50-25-D1 (A) 750 (B) 500 XW2Z-RO75-50-D1 (A) 750 (B) 500 XW2Z-RM50-25-D1 (A) 500 (B) 250 XW2Z-RM50-25-D1 (A) 750 (B) 500 XW2Z-RM75-50-D1 (A) 750 (B) 500 XW2Z-RM75-50-D1 (A) 500 (B) 250 XW2Z-RI50-25-D2 (A) 500 (B) 500 XW2Z-RI75-50-D2 (A) 750 (B) 500 XW2Z-RI75-50-D2 (A) 750 (B) 500 XW2Z-RI75-50-D2 (A) 750 (B) 500 XW2Z-RI75-50-D2 (A) 500 (B) 250 XW2Z-RM50-25-D2	Connectors (1:1)	. o input points		500			XW2Z-RI50C	
Solution		40	H	250			XW2Z-RO25C	MIL connectors (1:1)
Cables with Connectors (1:2) XW2Z-RIID1, XW2Z-RO-D-D1, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID3, XW2Z-RIID4, XW2Z-RIID4, XW2Z-RIID5,	AWZZ-NULIU	16 output points	← L →	500			XW2Z-RO50C	†
Cables with Connectors (1:2) XW2Z-RIID1, XW2Z-RIDD1, XW2Z-RIDD2, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID2, XW2Z-RIID3, XW2Z-RIID4, XW2Z-RIID5, X	Connectors (1:2) XW2Z-RI□-□-D1, XW2Z-RO□-□-D1, XW2Z-RM□-□-D1, XW2Z-RI□-□-D2,					(B) 250	XW2Z-RI50-25-D1	
Cables with Connectors (1:2) XW2Z-RIDD1, XW2Z-ROD-D1, XW2Z-RIDD2,		32 input points						=
Cables with Connectors (1:2) XW2Z-RIDD1, XW2Z-RODD1, XW2Z-RNDD2, X			← (A) →	(A) 500 (B) 250 (A) 750 (B) 500				
XW2Z-RI□-□-D1, XW2Z-RI□-□-D2, XW2Z		32 output points				` '		
XW2Z-RO -D1, XW2Z-RM -D1, XW2Z-RI -D2, XW2Z-R								
XW2Z-RM□-□-D1, XW2Z-RI□-□-D2, XW2Z-RM□-□-D2 XW2Z-RM□-□-D2 XW2Z-RM□-□-D2 XW2Z-RM□-□-D2 XW2Z-RM□-□-D2 XW2Z-RM□-□-D2 (A) 750 (B) 500 XW2Z-RI50-25-D2								-
XW2Z-RM□-□-D2 32 input points			(120)			. ,	XW2Z-RM75-50-D1	
16 input points/ Straight length (without bends) (A) 750 (B) 500 XW2Z-RI75-50-D2 PLC I/O Units with MIL connectors (1:2)		32 input points	(B)	(A) 500	(B) 250 XW2Z-R		XW2Z-RI50-25-D2	
16 input points/ (A) 500 (B) 250 XW2Z-RM50-25-D2 MIL connectors (1:2)			` '	(A) 750		(B) 500	XW2Z-RI75-50-D2	
			Straight length (without bends)	(A) 500		(B) 250	XW2Z-RM50-25-D2	MIL connectors (1:2)
16 output points (A) 750 (B) 500 XW2Z-RM75-50-D2		16 output points				(B) 500	XW2Z-RM75-50-D2	

Name		Appearance	Cable I	ength L (mm)	Connecting Cables	Applicable Connectors	
		End A End B	(A) 1,000	(B) 750	XW2Z-RI100C-75-MN		
		Device end I/O Relay Terminal	(A) 1,500	(B) 1,250	XW2Z-RI150C-125-MN		
	32 input points	(A)	(A) 2,000	(B) 1,750	XW2Z-RI200C-175-MN	Mitsubishi Electric PLCs	
Mitsubishi Electric PLC			(A) 3,000	(B) 2,750	XW2Z-RI300C-275-MN	with 32-point connectors (1:2) For inputs: AX42, A1SX41, A1SX42 For outputs:	
Connecting Cables XW2Z-RI□C-□-MN,			(A) 1,000	(B) 750	XW2Z-RO100C-75-MN		
XW2Z-RO□C-□-MN		(120)	(A) 1,500	(B) 1,250	XW2Z-RO150C-125-MN		
	32 output points		(A) 1,500 (A) 2,000	· , ,	XW2Z-RO200C-175-MN	AY42, A1SY41, A1SY42	
		(B) ———	. , ,	(B) 1,750			
		Straight length (without bends)	(A) 3,000	(B) 2,750	XW2Z-RO300C-275-MN		
			500		XW2Z-R050C-SCH-A	_	
		← (A) →	1,000		XW2Z-R100C-SCH-A		
	32 input points		2,000		XW2Z-R200C-SCH-A	Schneider Electric PLCs	
			3,000		XW2Z-R300C-SCH-A	with 32-point connectors (1:2)	
			5,000		XW2Z-R500C-SCH-A	For inputs:	
		(120)	500		XW2Z-R050C-SCH-B	140 DDI 353 00 For outputs:	
		(B)	1,000		XW2Z-R100C-SCH-B	140 DDO 353 00	
	32 output points	Straight length (without bends)	2,000		XW2Z-R200C-SCH-B	-	
Schneider Electric PLC			3,000		XW2Z-R300C-SCH-B	-	
Connecting Cables			5,000		XW2Z-R500C-SCH-B		
XW2Z-R□C-SCH-□			500		XW2Z-R050C-SCH-C	-	
			1,000		XW2Z-R100C-SCH-C	-	
	16 input points		2,000		XW2Z-R200C-SCH-C	Schneider Electric PLCs	
			3,000		XW2Z-R300C-SCH-C	with 16-point connectors	
			5,000		XW2Z-R500C-SCH-C	(1:1) - For inputs:	
			500		XW2Z-R050C-SCH-D	BMX DDI 1602	
			1,000		XW2Z-R100C-SCH-D	For outputs: BMX DDO 1602	
	16 output points		2,000		XW2Z-R200C-SCH-D	_	
			3,000		XW2Z-R300C-SCH-D		
			5,000		XW2Z-R500C-SCH-D		
			1,000		XW2Z-R050C-SIM-A		
		(A)			XW2Z-R100C-SIM-A	_	
	32 input points		2,000		XW2Z-R200C-SIM-A	Sigmons Bl Co with	
		(120) (120) (B) Straight length (without bends)	3,000		XW2Z-R300C-SIM-A	Siemens PLCs with 32-point connectors (1:2)	
			5,000		XW2Z-R500C-SIM-A	For inputs: 6ES7 321-1BL00-0AA0	
			1,000 XW2Z-R100C-SIM-B F 6		For outputs:		
	32 output points					6ES7 322-1BL00-0AA0	
					XW2Z-R300C-SIM-B	_	
			5,000		XW2Z-R500C-SIM-B		
			500		XW2Z-R050C-SIM-C		
Siemens PLC	40 in a direct		1,000		XW2Z-R100C-SIM-C	Siemens PLCs with 16-point connectors (1:1)	
Connecting Cables XW2Z-R□C-SIM-□	16 input points		2,000		XW2Z-R200C-SIM-C	For inputs:	
			3,000		XW2Z-R300C-SIM-C	6ES7 321-1BH02-0AA0	
			5,000		XW2Z-R500C-SIM-C		
			1,000		XW2Z-R050C-SIM-D	_	
	22 input naints	(A) (120)	1,000		XW2Z-R100C-SIM-D	_	
	32 input points		2,000		XW2Z-R200C-SIM-D	Siemens PLCs with	
			3,000 5,000		XW2Z-R300C-SIM-D XW2Z-R500C-SIM-D	32-point connectors (1:2)	
			5,000		XW2Z-R500C-SIM-D XW2Z-R050C-SIM-E	For inputs: 6ES7 421-1BL-0AA0	
	32 output points	(120)				For outputs:	
		Straight length (without bends)	1,000		XW2Z-R100C-SIM-E	6ES7 422-1BL-0AA0	
			2,000		XW2Z-R200C-SIM-E	_	
			3,000		XW2Z-R300C-SIM-E	_	
			5,000		XW2Z-R500C-SIM-E		

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CSM_2_2_1116 Cat. No. J215-E1-01

0316(0316)