New Product

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.

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

⚠ Refer to *Safety Precautions* on page 9.

Model Number Legend

G70V - □ □ □ 16 P - □
(1) (2) (3) (4) (5) (6)

(1) Mountable Relays
- S: Relays
- Z: Sockets

(2) Input/Output Classification
- I: For input
- O: For output

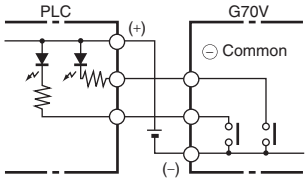
(3) I/O Specification
- C: Contacts (Applicable when (2) is O (for output) (relay output).)
- D: DC (Applicable when (2) is I (for input) (coil for input).)
- M: AC/DC (Applicable when (1) is Z (Sockets).)

(4) Number of I/O Points
- 16: 16 points

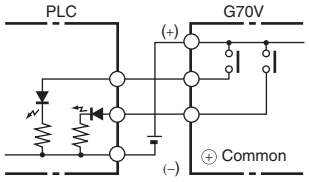
(5) Terminal Type
- P: Push-In Plus terminal blocks

(6) Internal I/O Circuit Common
- Blank: NPN
- 1: PNP

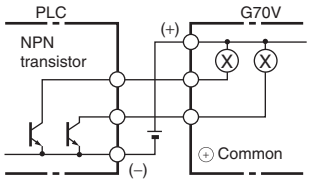
(For Input NPN)



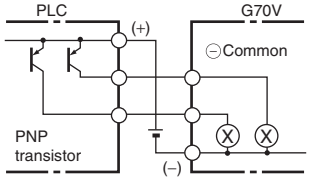
(For Input PNP)



(For Output NPN)



(For Output PNP)



Ordering Information

I/O Relay Terminal

Terminals	Type	Points	Internal I/O circuit common	Rated voltage	Model
Push-In Plus terminal blocks	Input ✻1	16	NPN (– common)	24 VDC	**G70V-SID16P**
			PNP (+ common)		**G70V-SID16P-1**
	Output ✻2		NPN (+ common)		**G70V-SOC16P**
			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	Type	Common Processing in Connector	Model
G70V-SID16P	Input	NPN (– common)	**G70V-ZID16P**
G70V-SID16P-1		PNP (+ common)	**G70V-ZID16P-1**
G70V-SOC16P	Output	NPN (+ common)	**G70V-ZOM16P**
G70V-SOC16P-1		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	Type	Classification			Model
G70V-SID16P(-1)	Input	Slim I/O Relays ✻1			**G2RV-1-S-AP-G DC21**
G70V-SOC16P(-1)	Output	Slim I/O Relays	No Latching Lever ✻2		**G2RV-1-S-G DC21**
			Latching Lever		**G2RV-1-SI-G DC21**
		Slim I/O SSRs	For AC	Zero cross function	**G3RV-202S DC24**
				No zero cross function	**G3RV-202SL DC24**
			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 combine them.
✻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.
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□-□-D□
  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

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

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

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 / Item	For input	For output	
	Resistive load (cosϕ=1)	Resistive load (cosϕ=1)	Inductive load (cosϕ=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	
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 min. NC contacts: 50,000 operations min.	
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 form		SPST-NO × 16	SPDT×16
Contact material		Ag alloy + Au plating	Ag alloy
Contact resistance ✻1		150 mΩ max.	
Must Operate time ✻2		20 ms max.	
Release time ✻2		40 ms max.	
Max. switching frequency	**Mechanical limit**	18,000 operations/hour	
	At rated load	1,800 operations/hr (under rated load)	
Insulation resistance		100 MΩ min.	
Dielectric strength		Between coil and contacts: 2,500 VAC for 1 min	
Vibration resistance		100 m/s^2	
Shock resistance		100 m/s^2, 3 times each in 6 directions along 3 axes	
Noise immunity		Noise level: 1.5 kV; pulse width: 100 ns to 1 μs	
Ambient operating temperature		−40 to 55°C (with no icing or condensation)	
Ambient operating humidity		35% to 85% RH	
LED color	**Power supply**	Green	
	I/O	Yellow	
Weight		Approx. 350 g	Approx. 370 g

Note: The above values are initial values.
✻1. Measurement condition: 1 A at 5 VDC.
✻2. Ambient temperature: 23°C.

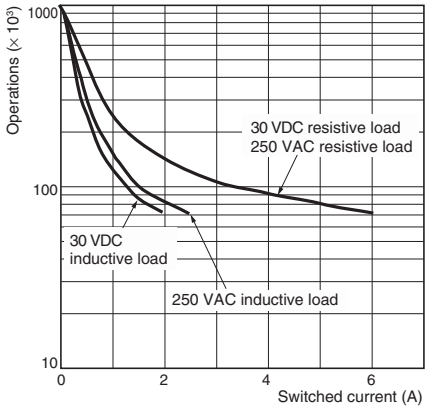
Applicable Standards

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

Engineering Data (Reference Value)

Endurance Curve (NO Contacts)

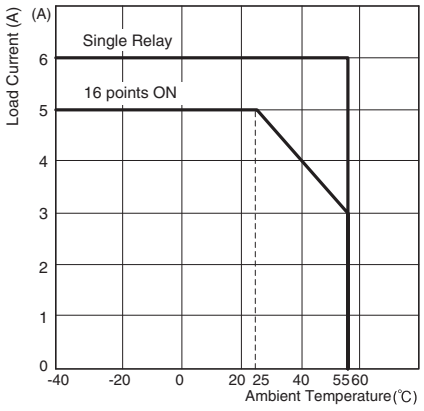
G70V-SOC16P(-1)



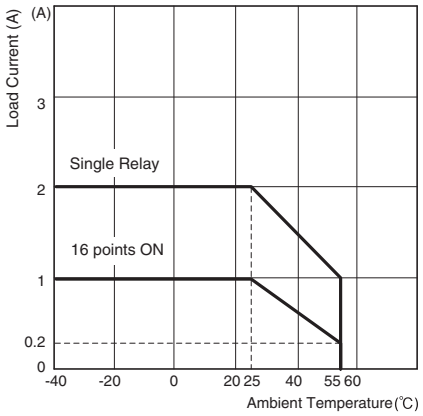
Note: These data are actual measured values that were sampled from the production line and prepared in graph format, and are for reference purposes only. A relay is manufactured by mass production, and as a basic rule must be used with allowance made for a certain amount of deviation.

Load Current vs. Ambient Temperature

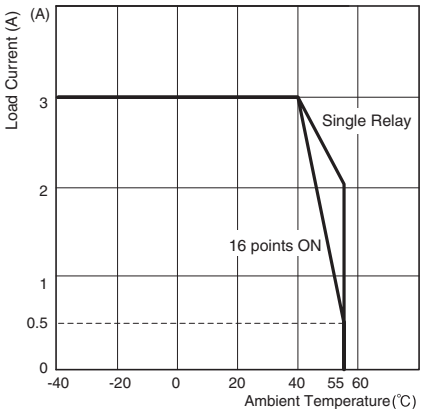
G70V-SOC16P(-1)



G3RV-202S DC24
G3RV-202SL DC24



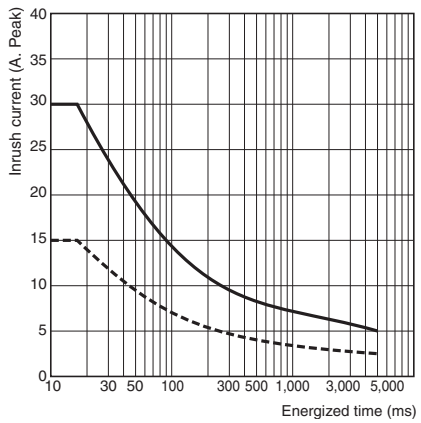
G3RV-D03 DC24



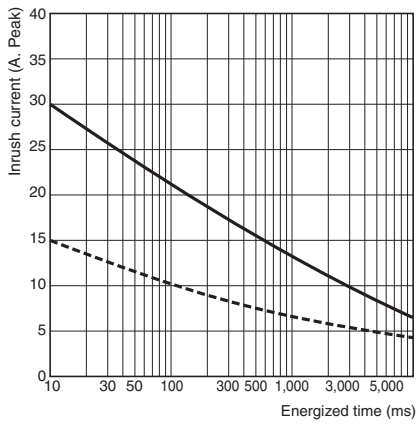
Inrush Current Resistance: Non-repetitive

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



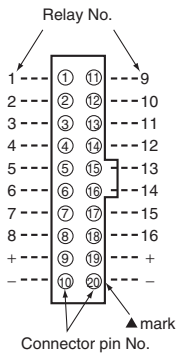
G3RV-D03 DC24

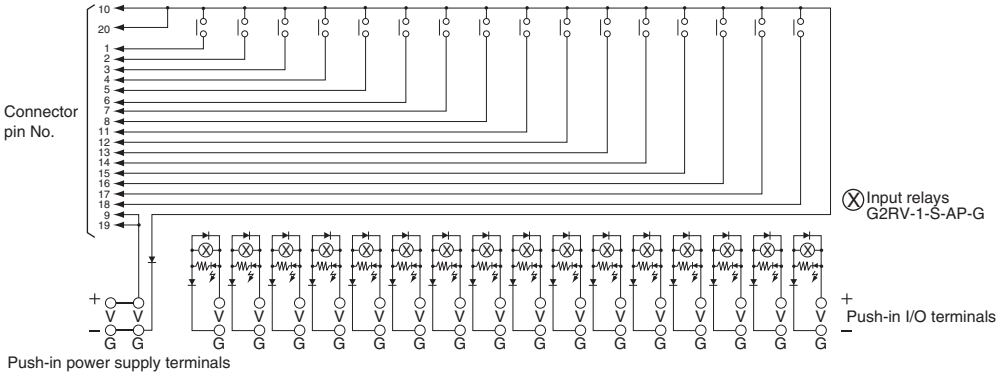


Terminal Arrangement/Internal Connection

G70V-SID16P
(NPN input/– common)

Connector Pin Configuration Top View



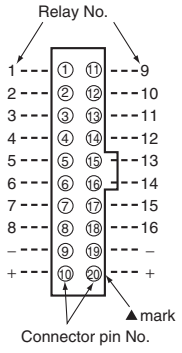


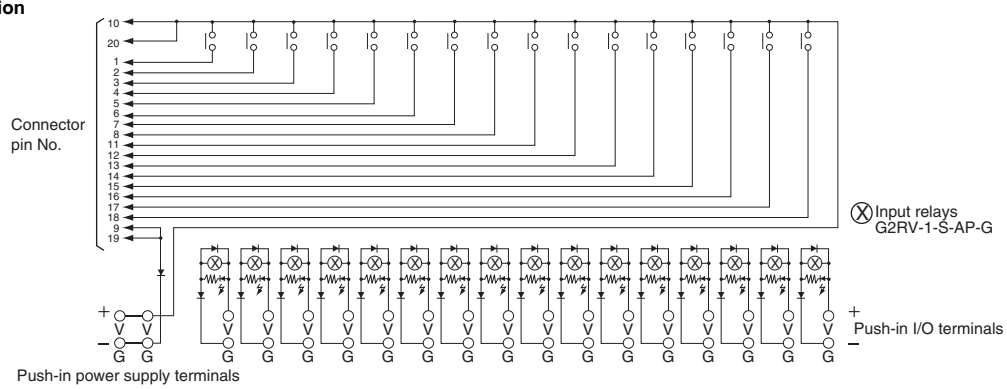
Note: Pin numbers are indicated for convenience. The ▲ mark can be used to determine orientation.

Terminal name	Description
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)
G (push-in power supply terminals)	
V (push-in I/O terminals)	Relay-drive coil terminals (24 VDC)
G (push-in I/O terminals)	

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

Connector Pin Configuration Top View





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

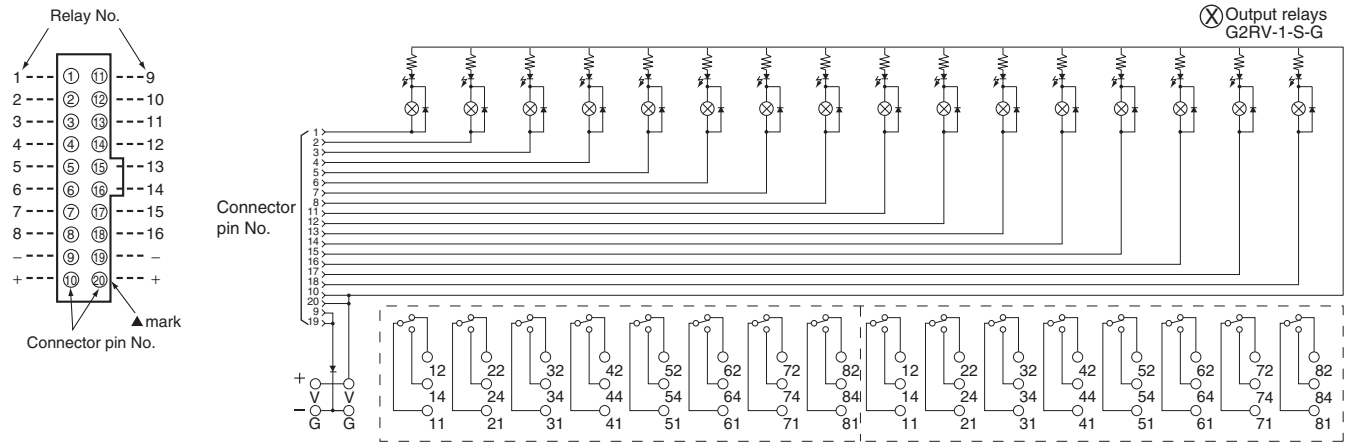
Terminal name	Description
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)
G (push-in power supply terminals)	
V (push-in I/O terminals)	Relay-drive coil terminals (24 VDC)
G (push-in I/O terminals)	

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.

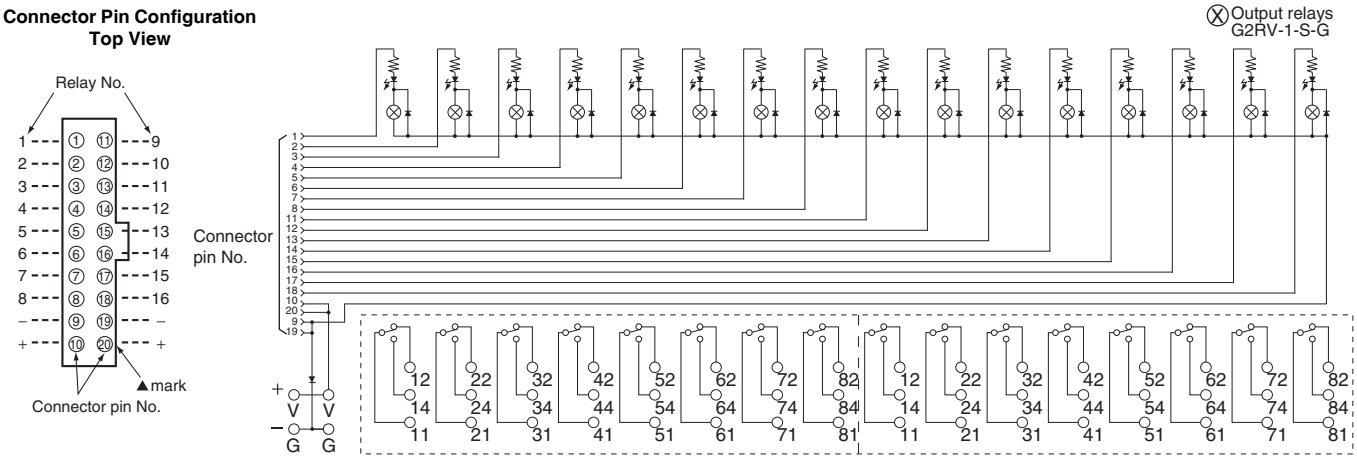
Terminal name	Description
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)
G (push-in power supply terminals)	
11 to 81 (push-in I/O terminal common terminals)	Relay contact terminals
12 to 82 (push-in I/O terminal NC terminals)	
14 to 84 (push-in I/O terminal NO terminals)	

G70V-SOC16P-1

(PNP output/- common)

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

Connector Pin Configuration
Top View



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

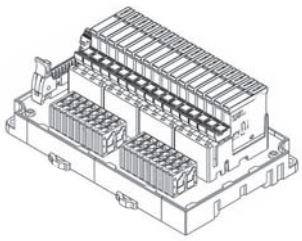
Terminal name	Description
V (push-in power supply terminals)	Unit power supply terminals (24 VDC)
G (push-in power supply terminals)	
11 to 81 (push-in I/O terminal common terminals)	Relay contact terminals
12 to 82 (push-in I/O terminal NC terminals)	
14 to 84 (push-in I/O terminal NO terminals)	

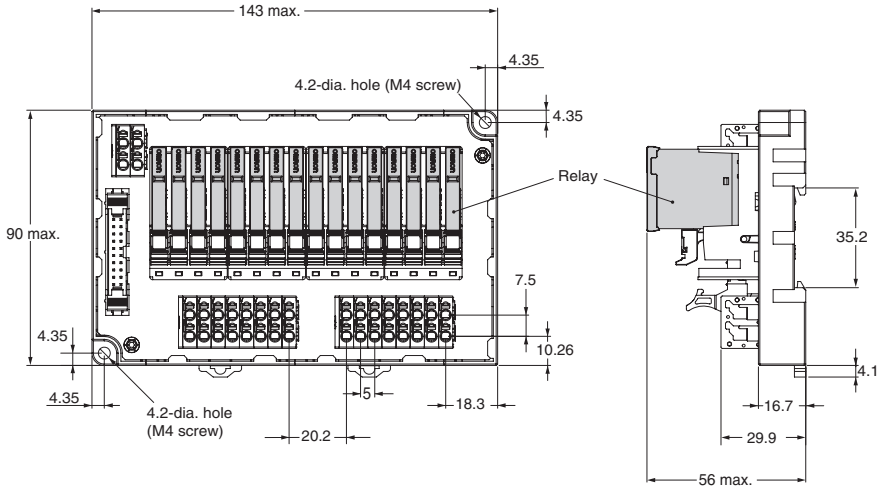
Dimensions

(Unit: mm)

I/O Relay Terminals and Relay Terminal Sockets

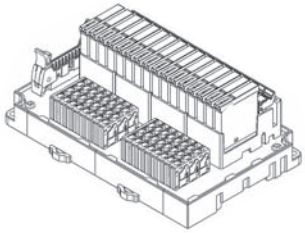
For Inputs
G70V-SID16P
G70V-SID16P-1
G70V-ZID16P
G70V-ZID16P-1

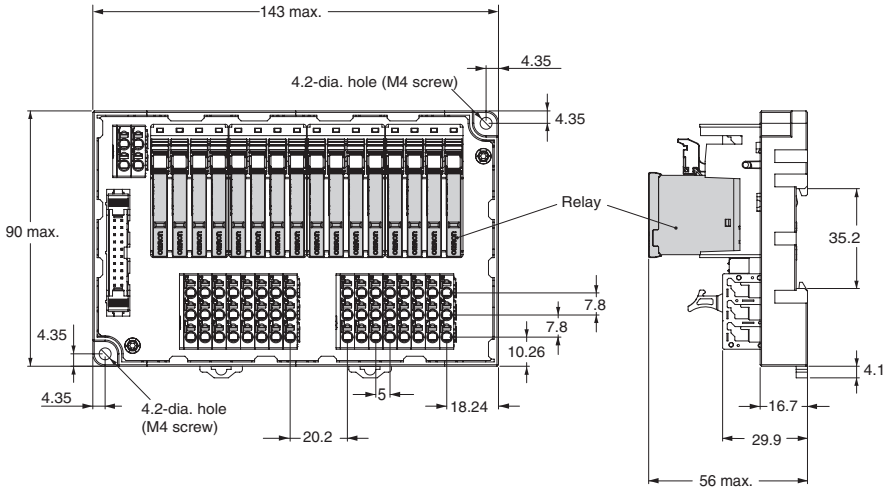




Note: 1. Relays are not mounted to the G70V-ZID16P(-1) Relay Terminal Sockets. The dimensions are for when Relays are not mounted.
2. Specified mounting torque: 0.59 to 0.98 N·m.

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



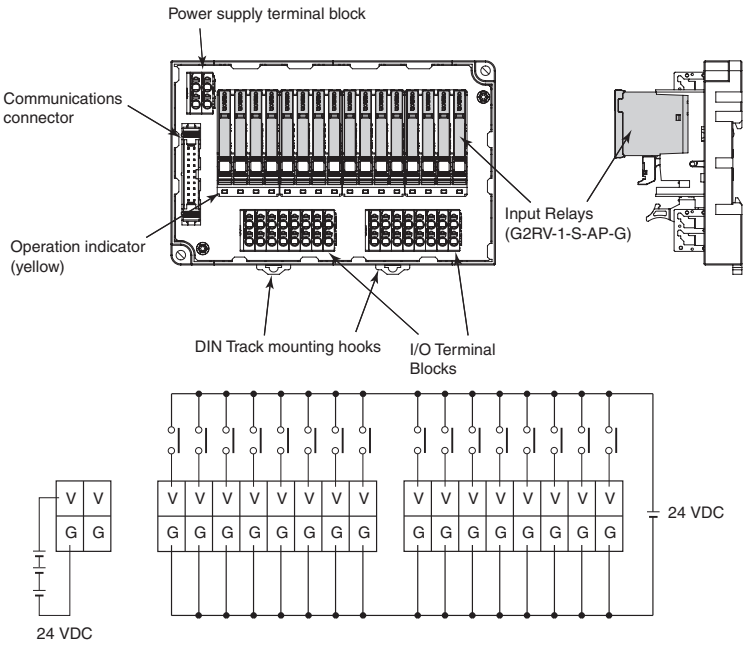


Note: 1. Relays are not mounted to the G70V-ZOM16P(-1) Relay Terminal Sockets. The dimensions are for when Relays are not mounted.
2. Specified mounting torque: 0.59 to 0.98 N·m.

I/O Relay Terminal Details

Input Relay Terminal

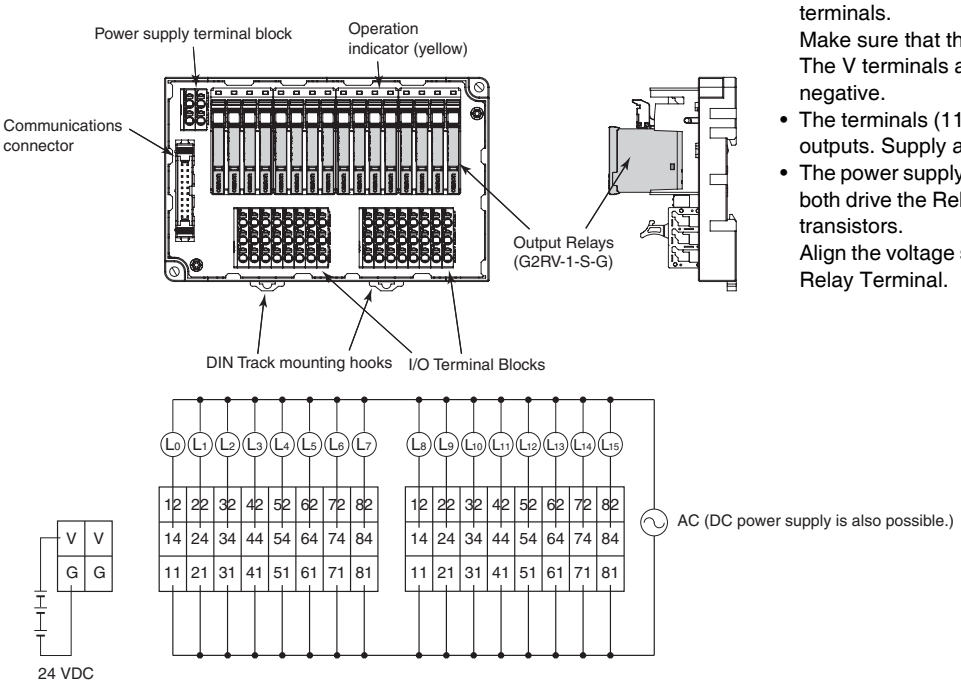
G70V-SID16P
G70V-SID16P-1



- 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.

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

Note: Please use Ferrules with UL certification (R/C).

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 short-circuiting, 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.

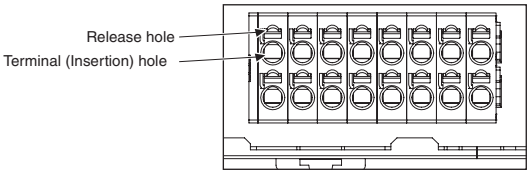
Precautions for Correct Use

- 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

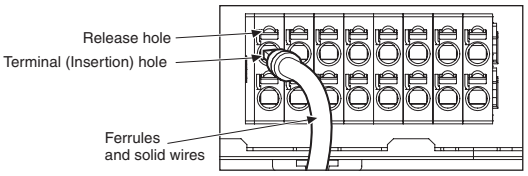
1. Connecting Wires to the Push-In Plus Terminal Block

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.

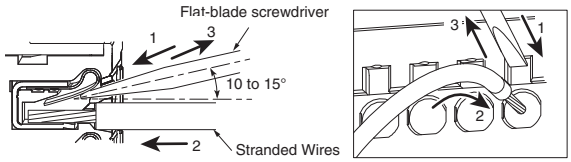


- If a wire is difficult to connect because it is too thin, use a flat-blade screwdriver in the same way as when connecting stranded wire.

Connecting Stranded Wires

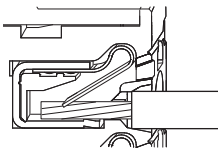
Use the following procedure to connect the wires to the terminal block.

1. 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.
2. 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

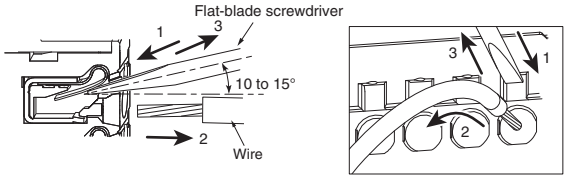
- After the insertion, pull gently on the wire to make sure that it will not come off and the wire is securely fastened to the terminal block.
- To prevent short circuits, insert the stripped part of a stranded or solid wire or the conductor part of a ferrule until it is hidden inside the terminal insertion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

1. Hold a flat-blade screwdriver at an angle and insert it into the release hole.
2. 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.



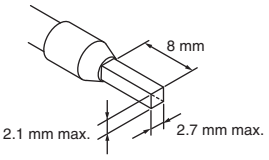
3. Recommended Ferrules and Crimp Tools

Recommended ferrules

Applicable wire		Ferrule Conduct or length (mm)	Recommended ferrules		
(mm^2)	(AWG)		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	18	8	AI1-8	H1.0/14	FE-1.0-8N-RD
1.5	16	8	AI1.5-8	H1.5/14	FE-1.5-8N-BK
Recommended crimp tool			CRIMPFOX6	PZ6 roto	Variocrimp4

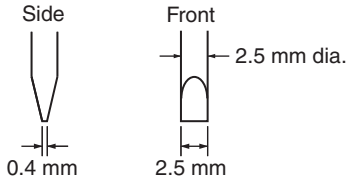
**1. Make sure that the outer diameter of the wire coating is smaller than the inner diameter of the insulation sleeve of the recommended ferrule.

**2. Make sure that the ferrule processing dimensions conform to the following figures.



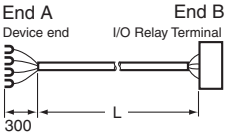
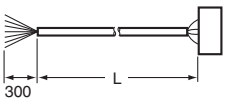
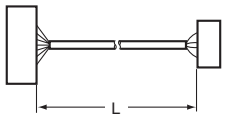
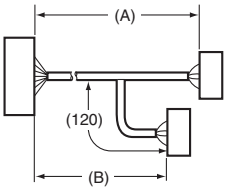
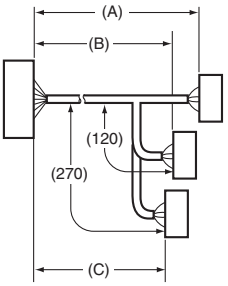
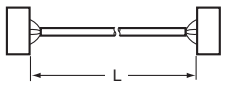
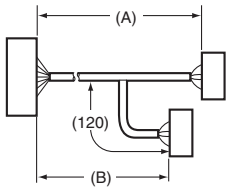
Recommended Flat-blade Screwdriver

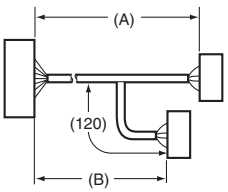
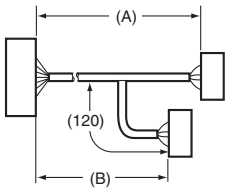
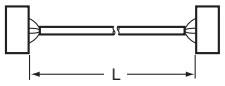
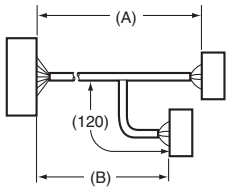
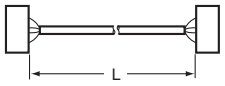
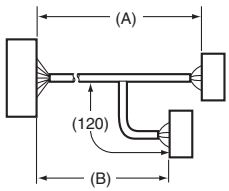
Use a flat-blade screwdriver to connect and remove wires.
Use the following flat-blade screwdriver.
The following table shows manufacturers and models as of 2015/Dec.



Model	Manufacturer
XW4Z-00B	Omron
ESD0.40×2.5	Wera
SZF 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

Applicable Cables

Name		Appearance	Cable length L (mm)			Connecting Cables	Applicable Connectors
Cables with Loose Wires and Crimp Terminals XW2Z-RY□C	16 I/O points		1,000			**XW2Z-RY100C**	Various devices
			1,500			**XW2Z-RY150C**	
			2,000			**XW2Z-RY200C**	
			3,000			**XW2Z-RY300C**	
			5,000			**XW2Z-RY500C**	
Cables with Loose Wires XW2Z-RA□C	16 I/O points		2,000			**XW2Z-RA200C**	Various devices
			5,000			**XW2Z-RA500C**	
Cables with Connectors (1:1) XW2Z-R□C	16 I/O points		1,000			**XW2Z-R100C**	PLC I/O Units with Fujitsu connectors (1:1)
			1,500			**XW2Z-R150C**	
			2,000			**XW2Z-R200C**	
			3,000			**XW2Z-R300C**	
			5,000			**XW2Z-R500C**	
Cables with Connectors (1:2) XW2Z-RI□C-□, XW2Z-RO□C-□	32 input points	 Straight length (without bends)	(A) 1,000	(B) 750		**XW2Z-RI100C-75**	PLC I/O Units with Fujitsu connectors (1:2)
			(A) 1,500	(B) 1,250		**XW2Z-RI150C-125**	
			(A) 2,000	(B) 1,750		**XW2Z-RI200C-175**	
			(A) 3,000	(B) 2,750		**XW2Z-RI300C-275**	
			(A) 5,000	(B) 4,750		**XW2Z-RI500C-475**	
	32 output points		(A) 1,000	(B) 750		**XW2Z-RO100C-75**	
			(A) 1,500	(B) 1,250		**XW2Z-RO150C-125**	
			(A) 2,000	(B) 1,750		**XW2Z-RO200C-175**	
			(A) 3,000	(B) 2,750		**XW2Z-RO300C-275**	
			(A) 5,000	(B) 4,750		**XW2Z-RO500C-475**	
Cables with Connectors (1:3) XW2Z-R□C-□-□	48 I/O points	 Straight length (without bends)	(A) 1,500	(B) 1,250	(C) 1,000	**XW2Z-R150C-125-100**	PLC I/O Units with Fujitsu connectors (1:3)
			(A) 2,000	(B) 1,750	(C) 1,500	**XW2Z-R200C-175-150**	
			(A) 3,000	(B) 2,750	(C) 2,500	**XW2Z-R300C-275-250**	
Cables with Connectors (1:1) XW2Z-RI□C, XW2Z-RO□C	16 input points		250			**XW2Z-RI25C**	PLC I/O Units with MIL connectors (1:1)
			500			**XW2Z-RI50C**	
	16 output points		250			**XW2Z-RO25C**	
			500			**XW2Z-RO50C**	
Cables with Connectors (1:2) XW2Z-RI□-□-D1, XW2Z-RO□-□-D1, XW2Z-RM□-□-D1, XW2Z-RI□-□-D2, XW2Z-RM□-□-D2	32 input points	 Straight length (without bends)	(A) 500	(B) 250		**XW2Z-RI50-25-D1**	PLC I/O Units with MIL connectors (NPN) (1:2)
			(A) 750	(B) 500		**XW2Z-RI75-50-D1**	
	32 output points		(A) 500	(B) 250		**XW2Z-RO50-25-D1**	
			(A) 750	(B) 500		**XW2Z-RO75-50-D1**	
	16 input points/ 16 output points		(A) 500	(B) 250		**XW2Z-RM50-25-D1**	
			(A) 750	(B) 500		**XW2Z-RM75-50-D1**	
	32 input points		(A) 500	(B) 250		**XW2Z-RI50-25-D2**	PLC I/O Units with MIL connectors (PNP) (1:2)
			(A) 750	(B) 500		**XW2Z-RI75-50-D2**	
	16 input points/ 16 output points		(A) 500	(B) 250		**XW2Z-RM50-25-D2**	
			(A) 750	(B) 500		**XW2Z-RM75-50-D2**	

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

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Read and understand this catalog.

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