

CH Series

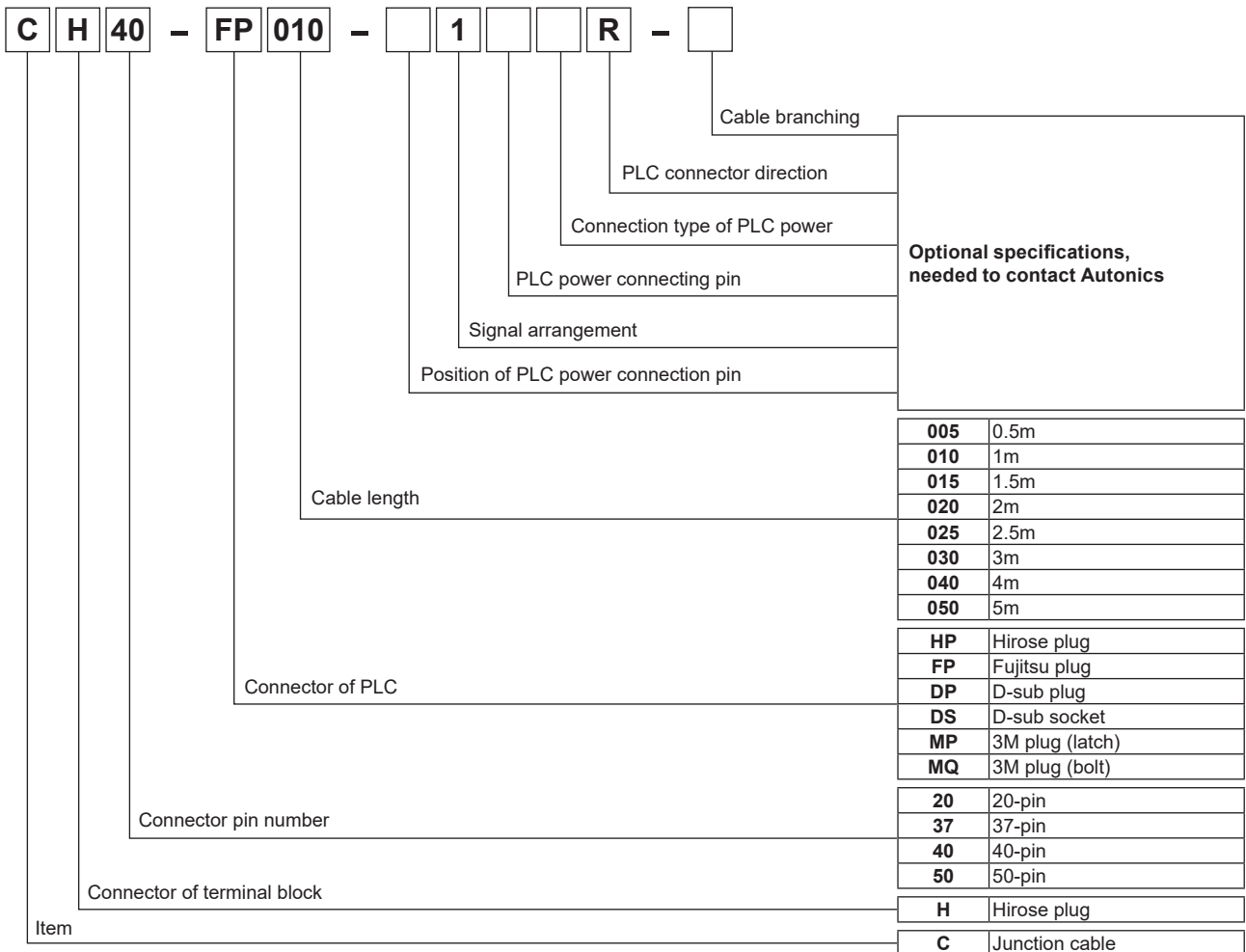
Connector Type PLC - I/O Terminal Blocks Junction Cable

■ Features

- Connectable with many types of PLC or controllers with various kinds of connectors
- Customizable cable arrangement
- Customizable cable length for the user environment
- Selectable in various cable branching type



■ Ordering Information











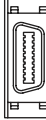
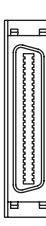
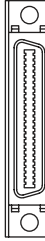














※Please check “■ PLC Connector, ■ Cable Appearance, ■ Cable Selection and Connection” to order a product.
If there is no items you are looking for, please contact Autonics.

Connector Type I/O Cable

■ PLC Connector

These are shape and direction of connectors in PLC to which CH series cable can be connected.
These images stand for the direction of cable running down.

PLC connector type Connector direction	Hirose plug		Fujitsu plug	D-Sub plug	D-Sub socket	3M plug (latch)		3M plug (bolt)
	20-pin	40-pin	40-pin	37-pin	37-pin	20-pin	50-pin	50-pin
R (right) 	    							
L (left) 						-	-	-
W, X^{※1} (right+left) 	 	-	-	-	-	-	-	-
Y, Z^{※1} (left+right) 	 	-	-	-	-	-	-	-

※1: It is decided according to the pin arrangement. For detailed information, please contact Autonics.

I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

Connector Type Cables

Open Type Cables

Old/New Model Replacement Table

Remote I/O

Others

General Features

Connections

Selection Guide

CH Series

■ Specifications

○ General specifications

Series		CH Series
Cable connector	PLC side	Hirose 20pin/40pin socket, Fujitsu 40pin socket, D-sub 37pin socket/plug, MDR 20pin/50pin socket (latch), MDR 50pin socket (bolt)
	Terminal block side	Hirose 20-pin/40-pin/50-pin socket
Applicable wire		UL 20276 TWIST 20C/40C/50C
Conductor characteristics		7/0.127mm (AWG 28)×20P, 7/0.127mm (AWG 28)×10P, 7/0.127mm (AWG28)×25P
Insulation diameter		0.12mm ²
Cable diameter		Ø7.2mm (40C) / 8.9mm (50C)
Rated current		≤1A
Conductor resistance		≤0.223Ω/m
Insulation voltage		500VAC 50/60Hz for 1 minute
Insulation resistance		≥15MΩ/km
Environment	Ambient temperature	-15 to 55°C, storage: -25 to 65°C
	Ambient humidity	35 ~ 85%RH, storage: 35 to 85%RH

※Environment resistance is rated at no freezing or condensation.

※Applicable cable color is black.

※Conductor resistance value is rated at 20°C.

○ Cable weight


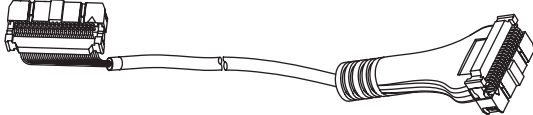

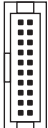

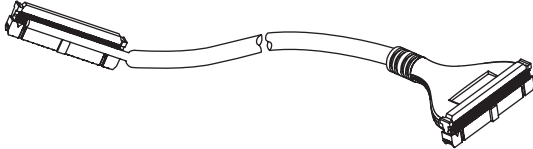



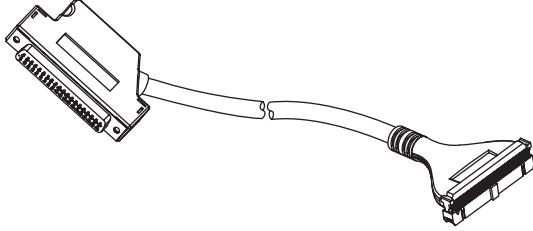


Model	Weight by cable length							
	0.5m	1m	1.5m	2m	2.5m	3m	4m	5m
CH20-HP	Approx. 37g	Approx. 66g	Approx. 95g	Approx. 124g	Approx. 153g	Approx. 182g	Approx. 240g	Approx. 298g
CH40-HP□□□□□□	Approx. 58g	Approx. 95g	Approx. 132g	Approx. 169g	Approx. 206g	Approx. 243g	Approx. 317g	Approx. 391g
CH40-HP□□□□□□-2S	Approx. 55g	Approx. 92g	Approx. 129g	Approx. 166g	Approx. 203g	Approx. 240g	Approx. 314g	Approx. 388g
CH40-HP□□□□□□-2L	Approx. 55g	Approx. 92g	Approx. 129g	Approx. 166g	Approx. 203g	Approx. 240g	Approx. 314g	Approx. 388g
CH40-HP□□□□□□-YS	Approx. 58g	Approx. 95g	Approx. 132g	Approx. 169g	Approx. 206g	Approx. 243g	Approx. 317g	Approx. 391g
CH40-HP□□□□□□-FS	Approx. 58g	Approx. 95g	Approx. 132g	Approx. 169g	Approx. 206g	Approx. 243g	Approx. 317g	Approx. 391g
CH40-FP□□□□□□	Approx. 85g	Approx. 122g	Approx. 159g	Approx. 196g	Approx. 233g	Approx. 270g	Approx. 344g	Approx. 418g
CH40-FP□□□□□□-2S	Approx. 88g	Approx. 125g	Approx. 162g	Approx. 199g	Approx. 236g	Approx. 273g	Approx. 347g	Approx. 421g
CH40-FP□□□□□□-2L	Approx. 88g	Approx. 125g	Approx. 162g	Approx. 199g	Approx. 236g	Approx. 273g	Approx. 347g	Approx. 421g
CH37-DP□□□□□□	Approx. 90g	Approx. 127g	Approx. 164g	Approx. 201g	Approx. 238g	Approx. 275g	Approx. 349g	Approx. 423g
CH37-DP□□□□□□-2S	Approx. 84g	Approx. 121g	Approx. 158g	Approx. 195g	Approx. 232g	Approx. 269g	Approx. 343g	Approx. 417g
CH37-DP□□□□□□-2L	Approx. 84g	Approx. 121g	Approx. 158g	Approx. 195g	Approx. 232g	Approx. 269g	Approx. 343g	Approx. 417g
CH37-DS□□□□□□	Approx. 90g	Approx. 127g	Approx. 164g	Approx. 201g	Approx. 238g	Approx. 275g	Approx. 349g	Approx. 423g
CH37-DS□□□□□□-2S	Approx. 84g	Approx. 121g	Approx. 158g	Approx. 195g	Approx. 232g	Approx. 269g	Approx. 343g	Approx. 417g
CH37-DS□□□□□□-2L	Approx. 84g	Approx. 121g	Approx. 158g	Approx. 195g	Approx. 232g	Approx. 269g	Approx. 343g	Approx. 417g
CH20-MP□□□□□□	Approx. 46g	Approx. 74g	Approx. 102g	Approx. 131g	Approx. 159g	Approx. 187g	Approx. 244g	Approx. 301g
CH50-MP□□□□□□	Approx. 95g	Approx. 150g	Approx. 204g	Approx. 259g	Approx. 314g	Approx. 369g	Approx. 478g	Approx. 587g
CH50-MQ□□□□□□	Approx. 98g	Approx. 153g	Approx. 207g	Approx. 262g	Approx. 317g	Approx. 372g	Approx. 481g	Approx. 590g

※Above weight is without packing box (5g).

Connector Type I/O Cable

■ Cable Appearance

○ Non-branching

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
Hirose 20-pin plug	 <R direction>	CH20-HP□□□□□R		
	 <L direction>	CH20-HP□□□□□L		
Hirose 40-pin plug	 <R direction>	CH40-HP□□□□□R		
	 <L direction>	CH40-HP□□□□□L		
Fujitsu 40-pin plug	 <R direction>	CH40-FP□□□□□R		
	 <L direction>	CH40-FP□□□□□L		

I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

Connector Type Cables

Open Type Cables

Old/New Model Replacement Table

Remote I/O

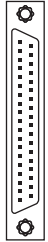
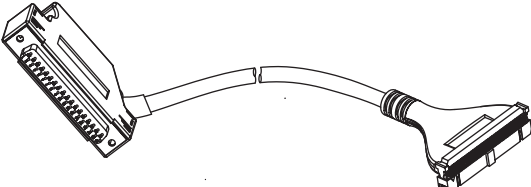

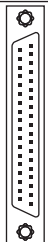

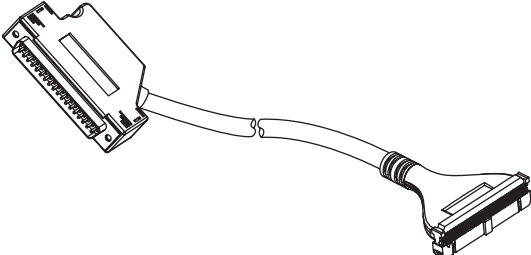
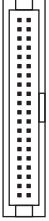

Others

General Features


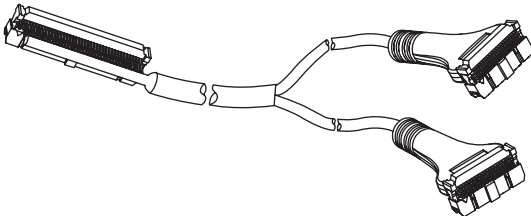


Connections

Selection Guide

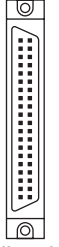
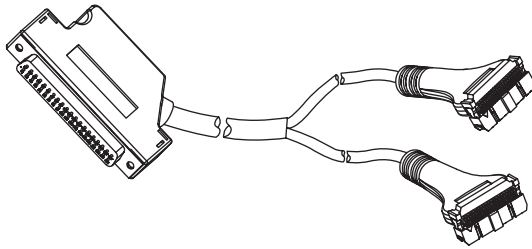


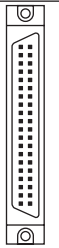
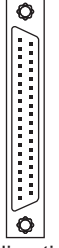
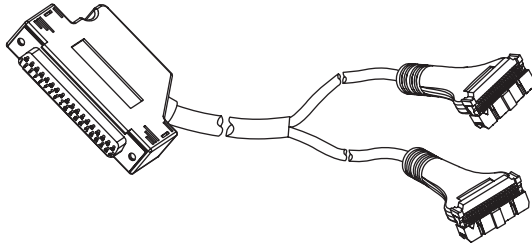


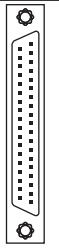

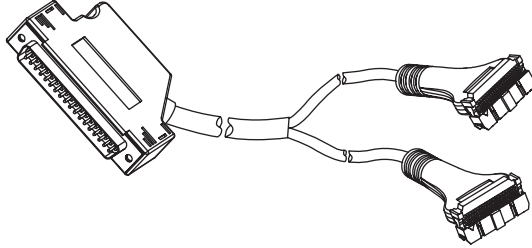



CH Series

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
D-sub 37-pin plug	 <R direction>	CH37-DP□□□□□R		
	 <L direction>	CH37-DP□□□□□L		
D-sub 37-pin socket	 <R direction>	CH37-DS□□□□□R		
	 <L direction>	CH37-DS□□□□□L		

◎ Terminal block side 2-branching short type

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
Hirose 40-pin plug	 <R direction>	CH40-HP□□□□□R-2S		
	 <L direction>	CH40-HP□□□□□L-2S		

Connector Type I/O Cable

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
Fujitsu 40-pin plug	 <R direction>	CH40-FP□□□□R-2S		 
	 <L direction>	CH40-FP□□□□L-2S		
D-sub 37-pin plug	 <R direction>	CH37-DP□□□□R-2S		 
	 <L direction>	CH37-DP□□□□L-2S		
D-sub 37-pin socket	 <R direction>	CH37-DS□□□□R-2S		 
	 <L direction>	CH37-DS□□□□L-2S		

I/O Terminal Blocks

Interface Terminal Blocks
Common Terminal Blocks
Sensor Connector Terminal Blocks
Relay Terminal Blocks

I/O Cables

Connector Type Cables
Open Type Cables
Old/New Model Replacement Table

Remote I/O

Others

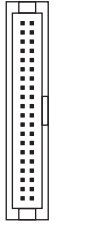
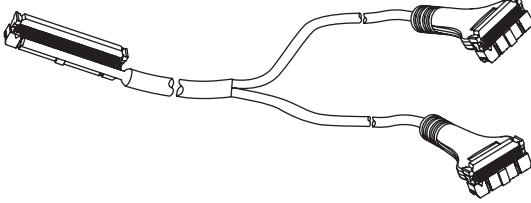
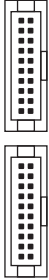
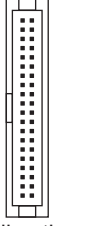
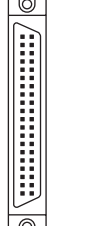
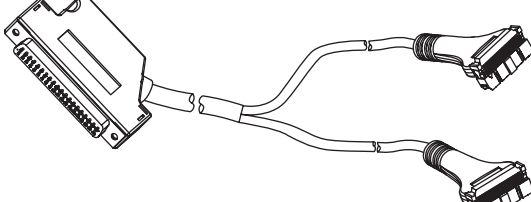
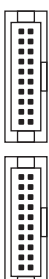
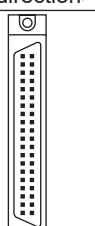
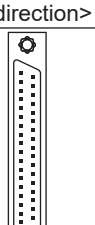
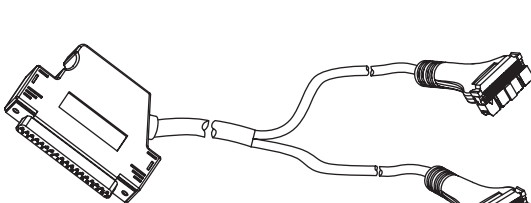

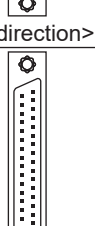
General Features

Connections


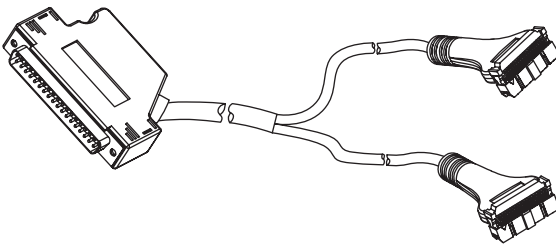
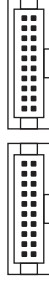

Selection Guide

CH Series

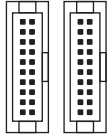
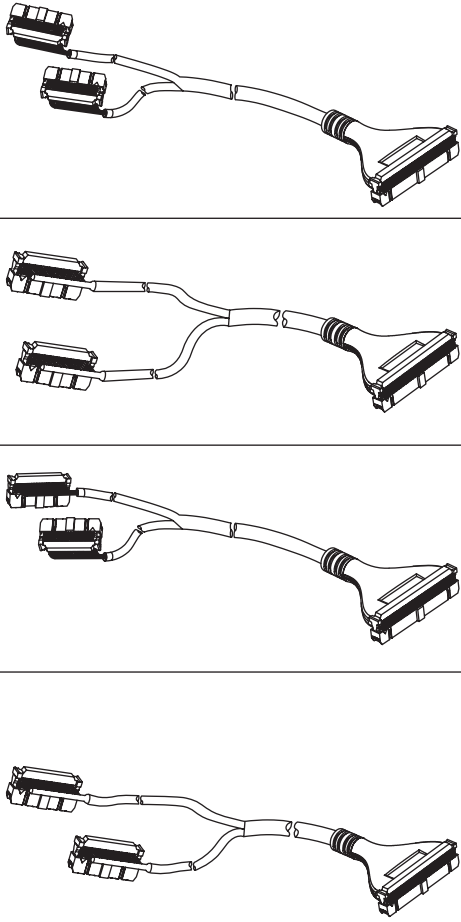

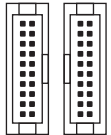
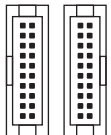
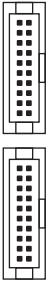
◎ Terminal block side 2-branching long type

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
Hirose 40-pin plug	 <R direction>	CH40-HP□□□□□R-2L		
	 <L direction>	CH40-HP□□□□□L-2L		
Fujitsu 40-pin plug	 <R direction>	CH40-FP□□□□□R-2L		
	 <L direction>	CH40-FP□□□□□L-2L		
D-sub 37-pin plug	 <R direction>	CH37-DP□□□□□R-2L		
	 <L direction>	CH37-DP□□□□□L-2L		

Connector Type I/O Cable

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
D-sub 37-pin socket	 <R direction>	CH37-DS□□□□□R-2L		
	 <L direction>	CH37-DS□□□□□L-2L		

◎ PLC side 2-branching short type

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
Hirose 20-pin plug	 <R direction + R direction>	CH40-HP□□□□□R-YS		
	 <R direction + L direction>	CH40-HP□□□□□W-YS CH40-HP□□□□□X-YS		
	 <L direction + R direction>	CH40-HP□□□□□Y-YS CH40-HP□□□□□Z-YS		
	 <R direction + R direction>	CH40-HP□□□□□L-FS		

I/O Terminal Blocks

Interface Terminal Blocks
Common Terminal Blocks
Sensor Connector Terminal Blocks
Relay Terminal Blocks

I/O Cables

Connector Type Cables
Open Type Cables
Old/New Model Replacement Table

Remote I/O

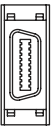
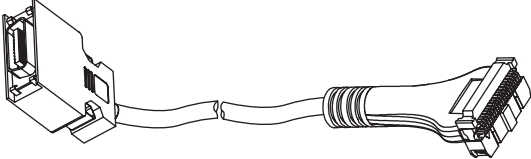


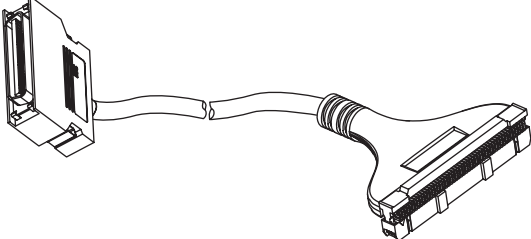
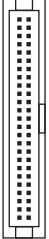

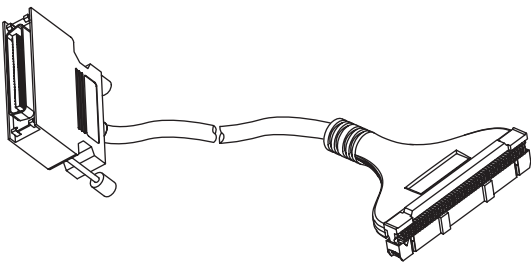

Others

General Features

Connections
Selection Guide

CH Series

◎ SERVO

PLC connector		Cable model	Cable appearance	Terminal block connector
Type	direction			
3M 20-pin plug (latch)	 <R direction>	CH20-MP□□□□R		
3M 50-pin plug (latch)	 <R direction>	CH50-MP□□□□R		
3M 50-pin plug (bolt)	 <R direction>	CH50-MQ□□□□R		

Connector Type I/O Cable

◎ Cable length of branching type cable

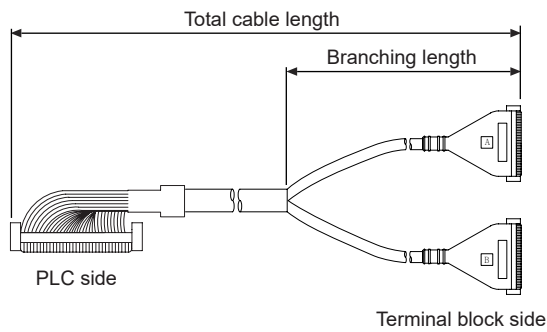
● Terminal block side branching Cable

2-branching short type

Cable model	Total cable length	Branching length
CH□□005-□□□□-2S	0.5m	0.15m
CH□□010-□□□□-2S	1m	0.15m
CH□□015-□□□□-2S	1.5m	0.15m
CH□□020-□□□□-2S	2m	0.15m
CH□□025-□□□□-2S	2.5m	0.15m
CH□□030-□□□□-2S	3m	0.15m
CH□□040-□□□□-2S	4m	0.15m
CH□□050-□□□□-2S	5m	0.15m

2-branching long type

Cable model	Total cable length	Branching length
CH□□005-□□□□-2L	0.5m	0.3m
CH□□010-□□□□-2L	1m	0.8m
CH□□015-□□□□-2L	1.5m	1.3m
CH□□020-□□□□-2L	2m	1.8m
CH□□025-□□□□-2L	2.5m	2.3m
CH□□030-□□□□-2L	3m	2.8m
CH□□040-□□□□-2L	4m	3.8m
CH□□050-□□□□-2L	5m	4.8m



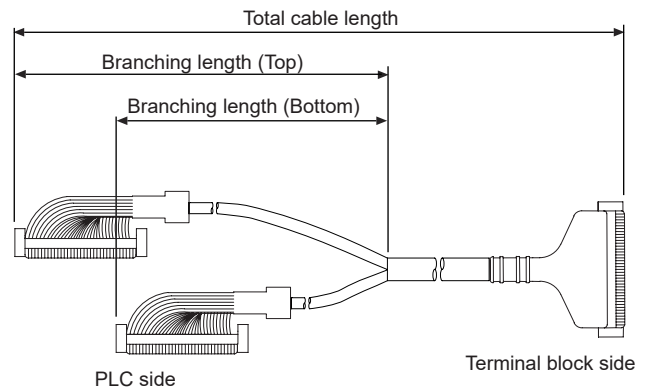
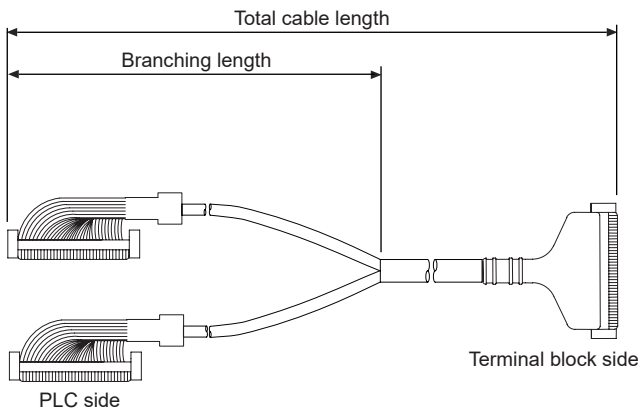
● PLC side branching Cable

Right/Left 2-branching type

Cable model	Total cable length	Branching length
CH40-HP005-□□□□-YS	0.5m	0.15m
CH40-HP010-□□□□-YS	1m	0.15m
CH40-HP015-□□□□-YS	1.5m	0.15m
CH40-HP020-□□□□-YS	2m	0.15m
CH40-HP025-□□□□-YS	2.5m	0.15m
CH40-HP030-□□□□-YS	3m	0.15m
CH40-HP040-□□□□-YS	4m	0.15m
CH40-HP050-□□□□-YS	5m	0.15m

Top/Bottom 2-branching type

Cable model	Total cable length	Branching length
CH40-HP005-□□□□-FS	0.5m	Top: 0.15m Bottom: 0.09m
CH40-HP010-□□□□-FS	1m	
CH40-HP015-□□□□-FS	1.5m	
CH40-HP020-□□□□-FS	2m	
CH40-HP025-□□□□-FS	2.5m	
CH40-HP030-□□□□-FS	3m	
CH40-HP040-□□□□-FS	4m	
CH40-HP050-□□□□-FS	5m	



<Right/Left 2-branching type Cable>

<Top/Bottom 2-branching type Cable>

I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

Connector Type Cables

Open Type Cables

Old/New Model Replacement Table

Remote I/O

Others

General Features

Connections

Selection Guide

How to Read Cable Selection and Connection Diagram

- 1 Search for the manufacturer and series name of PLC you have, and terminal block type to connect.

Connector Type I/O Cable

Cable Selection and Connection Diagram

Check the cable selection table and connection diagram to select the proper cable model. Only some of representative PLC are selected. If there is no PLC model you are looking for or you need branching type of cable, please contact Autonics.

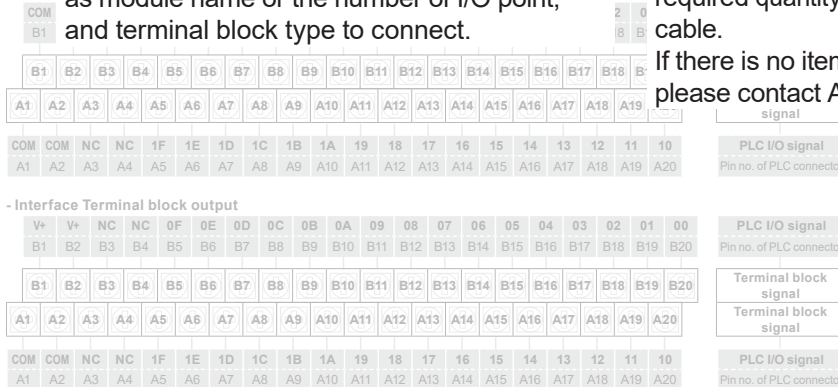
LS) XGT Series - Interface/Relay terminal block

Cable selection guide

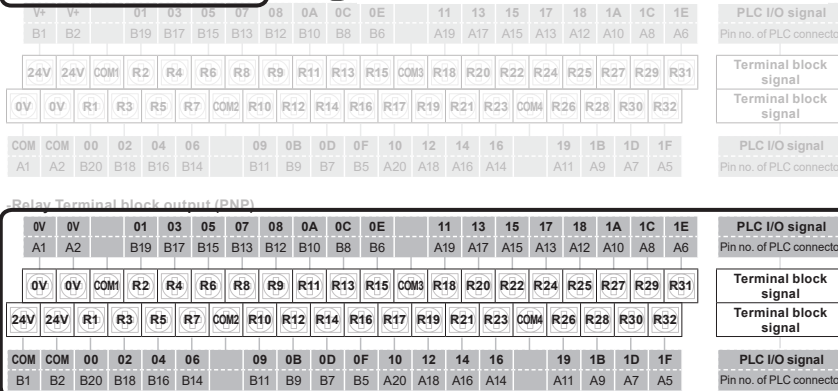
Controller					Proper cable	
Module name	I/O	No. of I/O	Logic	Terminal block to connect	Model name	Quantity
XGI-D24A	Input	32	-	Interface Terminal block	CH40-FP-1R	1
XGI-D24B	Input	32	-	Interface Terminal block	CH40-FP-1R	1
XGI-D28A	Input	64	-	Interface Terminal block	CH40-FP-1R	2
XGI-D28B	Input	64	-	Interface Terminal block	CH40-FP-1R	2
XGQ-TR4A	Output	32	NPN	Interface Terminal block	CH40-FP-1R	1
	Output	32	NPN	Relay Terminal block	CH40-FP-E1T1R	1
XGQ-TR4B	Output	32	PNP	Interface Terminal block	CH40-FP-1R	1
	Output	32	PNP	Relay Terminal block	CH40-FP-E1T4R	1
XGQ-TR8A	Output	64	NPN	Interface Terminal block	CH40-FP-1R	2
	Output	64	NPN	Relay Terminal block	CH40-FP-E1T1R	2
XGQ-TR8B	Output	64	PNP	Interface Terminal block	CH40-FP-1R	2
	Output	64	PNP	Relay Terminal block	CH40-FP-E1T4R	2

* In proper cable model name stands for the cable length. Please refer to the cable length. # Ordering Information.

- 2 Search for detailed information of the PLC such as module name or the number of I/O point, and terminal block type to connect.
- 3 Check the model name and required quantity of the cable. If there is no item you want, please contact Autonics.



- 4 Search for the terminal block to connect.



Autonics

- 5 Connect the PLC and terminal block using the purchased cable, and wire referring to the above terminal block image.

■ Cable Selection and Connection Diagram

Check the cable selection table and connection diagram to select the proper cable model.

Only some of representative PLC are selected. If there is no PLC model you are looking for or you need branching type of cable, please contact Autonics.

◎ LS) XGT Series - Interface/Relay terminal block

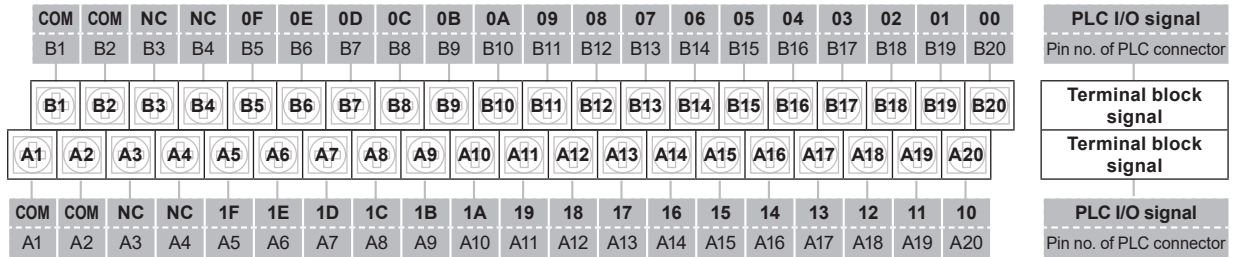
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
XGI-D24A	Input	32	-	Interface Terminal block	CH40-FP□-1R	1
XGI-D24B	Input	32	-	Interface Terminal block	CH40-FP□-1R	1
XGI-D28A	Input	64	-	Interface Terminal block	CH40-FP□-1R	2
XGI-D28B	Input	64	-	Interface Terminal block	CH40-FP□-1R	2
XGQ-TR4A	Output	32	NPN	Interface Terminal block	CH40-FP□-1R	1
	Output	32	NPN	Relay Terminal block	CH40-FP□-E1T1R	1
XGQ-TR4B	Output	32	PNP	Interface Terminal block	CH40-FP□-1R	1
	Output	32	PNP	Relay Terminal block	CH40-FP□-E1T4R	1
XGQ-TR8A	Output	64	NPN	Interface Terminal block	CH40-FP□-1R	2
	Output	64	NPN	Relay Terminal block	CH40-FP□-E1T1R	2
XGQ-TR8B	Output	64	PNP	Interface Terminal block	CH40-FP□-1R	2
	Output	64	PNP	Relay Terminal block	CH40-FP□-E1T4R	2

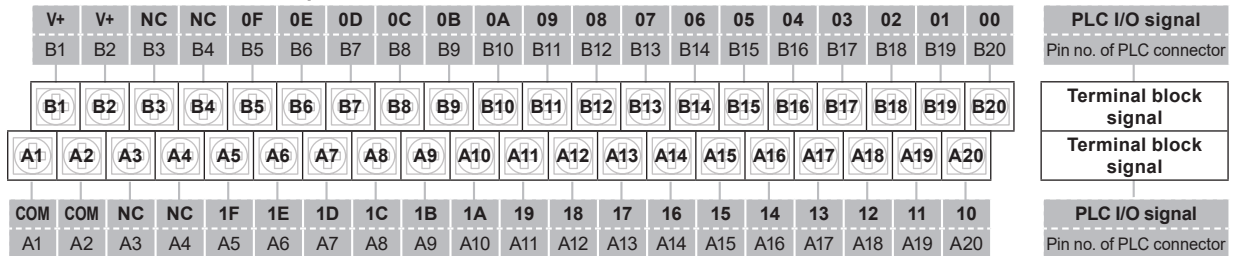
※□ in proper cable model name stands for the cable length. Please refer to the cable length in '■ Ordering Information'.

● Cable connection diagram

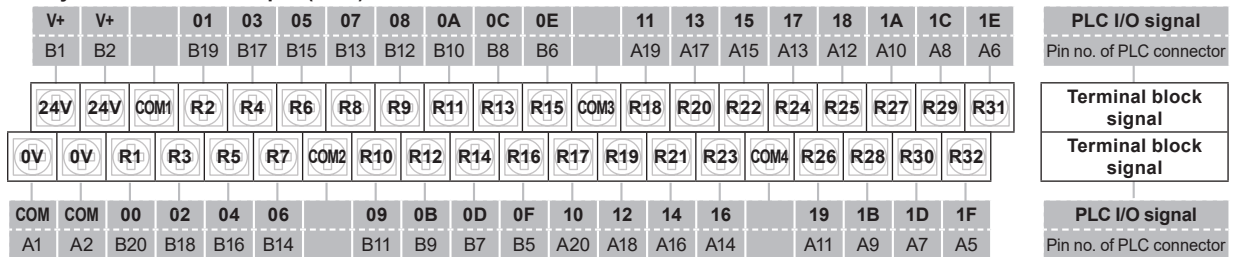
- Interface Terminal block input



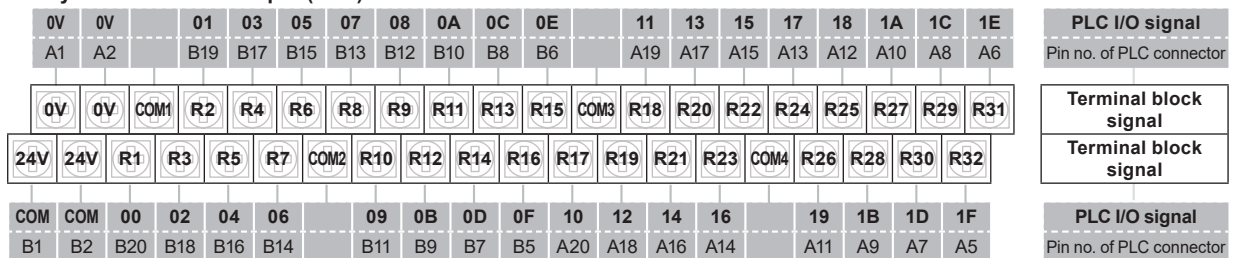
- Interface Terminal block output



- Relay Terminal block output (NPN)



- Relay Terminal block output (PNP)



- I/O Terminal Blocks
- Interface Terminal Blocks
- Common Terminal Blocks
- Sensor Connector Terminal Blocks
- Relay Terminal Blocks
- I/O Cables
- Connector Type Cables
- Open Type Cables
- Old/New Model Replacement Table
- Remote I/O
- Others
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- Connections
- LS
- mitsubishi
- OMRON
- RS Automation
- YOKOGAWA
- FUJI
- CIMON
- Autonics
- SERVO
- Selection Guide

CH Series

◎ LS) XGT Series - Sensor connector terminal block

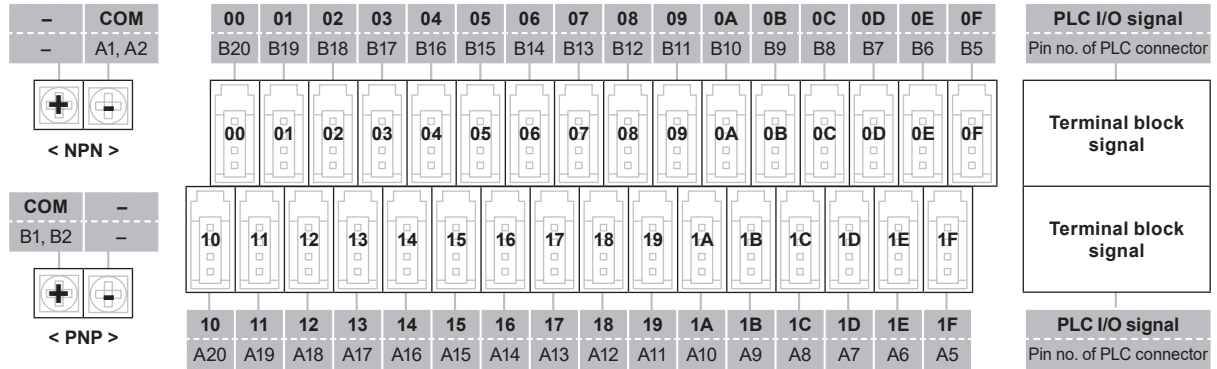
● Cable selection guide

Controller		Terminal block to connect			Proper cable		
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity
XGI-D24A	Input	32	NPN	Sensor connector Terminal block	NPN	CH40-FP□-E1T2R	1
	Input	32	PNP	Sensor connector Terminal block	PNP	CH40-FP□-E1T3R	1
XGI-D24B	Input	32	NPN	Sensor connector Terminal block	NPN	CH40-FP□-E1T2R	1
	Input	32	PNP	Sensor connector Terminal block	PNP	CH40-FP□-E1T3R	1
XGI-D28A	Input	64	NPN	Sensor connector Terminal block	NPN	CH40-FP□-E1T2R	2
	Input	64	PNP	Sensor connector Terminal block	PNP	CH40-FP□-E1T3R	2
XGI-D28B	Input	64	NPN	Sensor connector Terminal block	NPN	CH40-FP□-E1T2R	2
	Input	64	PNP	Sensor connector Terminal block	PNP	CH40-FP□-E1T3R	2
XGQ-TR4A	Output	32	NPN	Sensor connector Terminal block	NPN	CH40-FP□-E1T1R	1
XGQ-TR4B	Output	32	PNP	Sensor connector Terminal block	PNP	CH40-FP□-E1T1R	1
XGQ-TR8A	Output	64	NPN	Sensor connector Terminal block	NPN	CH40-FP□-E1T1R	2
XGQ-TR8B	Output	64	PNP	Sensor connector Terminal block	PNP	CH40-FP□-E1T1R	2

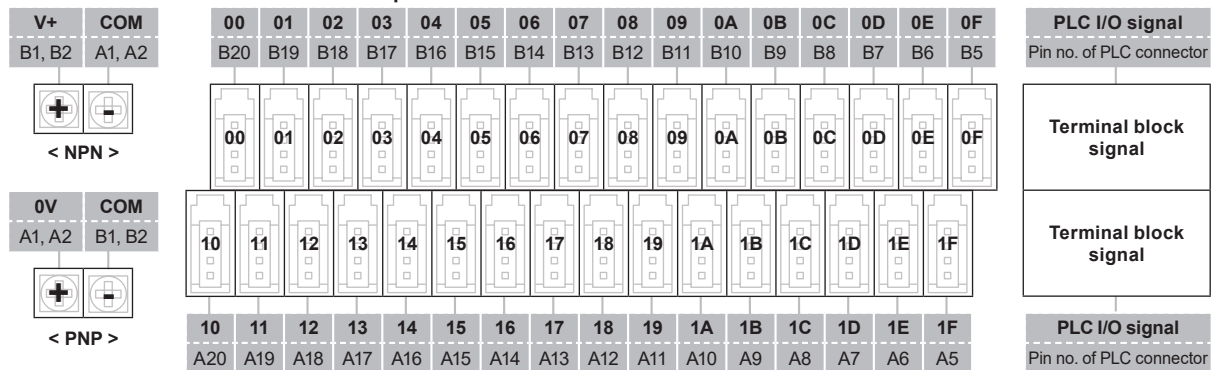
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector Terminal block input



- Sensor connector Terminal block output



Connector Type I/O Cable

◎ LS) XGB Series - Interface/Relay terminal block

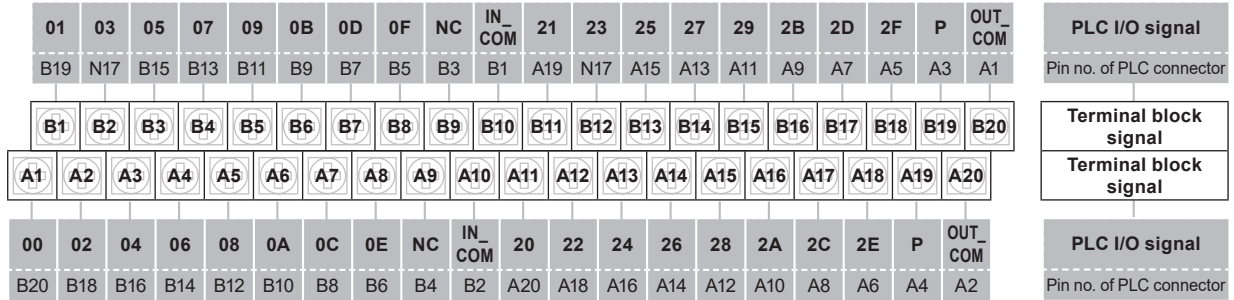
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
XBM-DN32H	Input/output	32	-	Interface Terminal block	CH40-HP□-8L	1
XBE-DN32A	Input/output	32	-	Interface Terminal block	CH40-HP□-8L	1

※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Interface Terminal block input/output



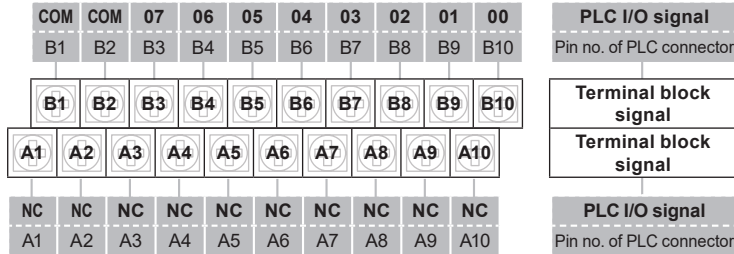
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
XBM-DN16S	Input	8	-	Interface Terminal block	CH20-HP□-1R	1
	Output	8	NPN	Interface Terminal block	CH20-HP□-1L	1
	Output	8	NPN	Relay Terminal block	CH20-HP□-D1T1L	1

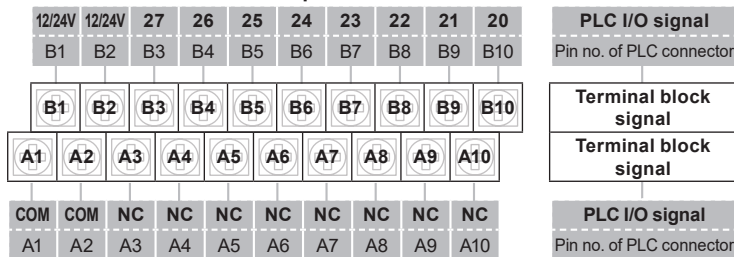
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

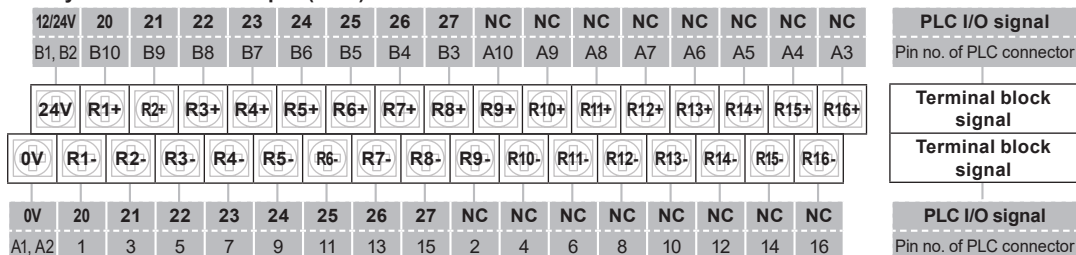
- Interface terminal block input



- Interface terminal block output



- Relay terminal block output (NPN)



- I/O Terminal Blocks
- Interface Terminal Blocks
- Common Terminal Blocks
- Sensor Connector Terminal Blocks
- Relay Terminal Blocks
- I/O Cables
- Connector Type Cables
- Open Type Cables
- Old/New Model Replacement Table
- Remote I/O
- Others

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- LS
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- YOKOGAWA
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- CIMON
- Autonics
- SERVO
- Selection Guide

◎ LS) XGB Series - Interface/Relay terminal block

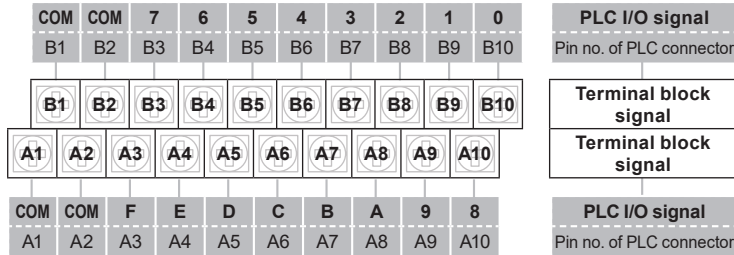
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
XBM-DN32S	Input	16	-	Interface terminal block	CH20-HP□-1R	1
	Output	16	NPN	Interface terminal block	CH20-HP□-1L	1
	Output	16	NPN	Relay terminal block	CH20-HP□-D1T1L	1

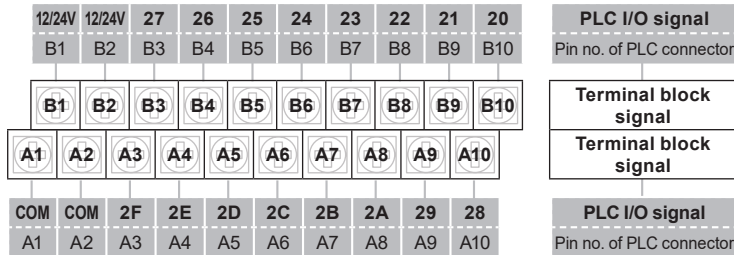
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

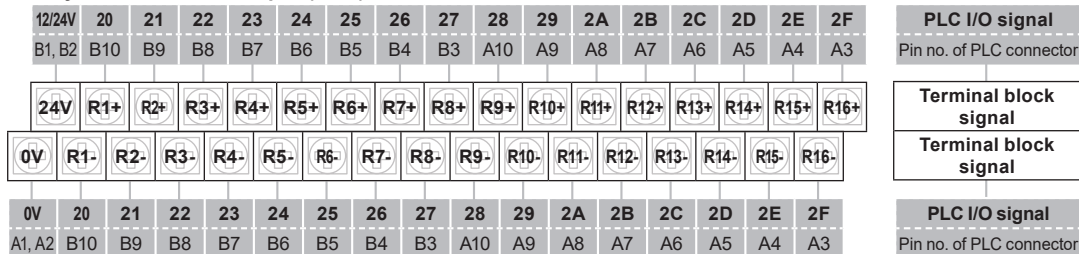
- Interface terminal block input



- Interface terminal block output



- Relay terminal block output (NPN)



Connector Type I/O Cable

◎ LS) XGB Series - Interface/Relay terminal block

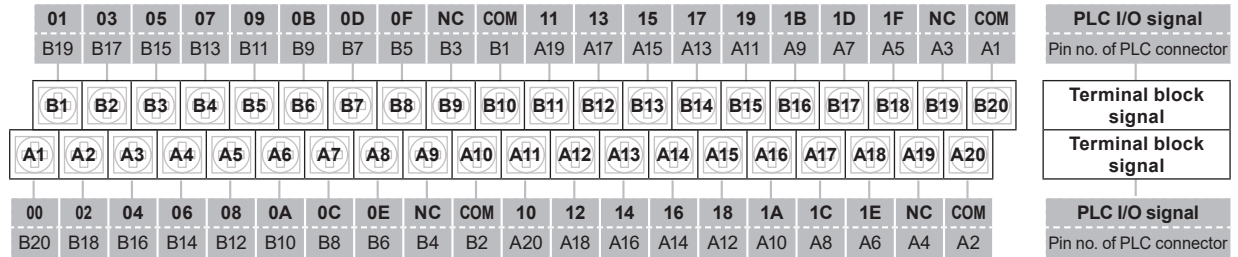
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
XBE-DC32A	Input	32	-	Interface terminal block	CH40-HP□-8L	1
XBE-TN32A	Output	32	NPN	Interface terminal block	CH40-HP□-8L	1
	Output	32	NPN	Relay terminal block	CH40-HP□-E1T1L	1
XBE-TP32A	Output	32	PNP	Interface terminal block	CH40-HP□-8L	1
	Output	32	PNP	Relay terminal block	CH40-HP□-E1T4L	1

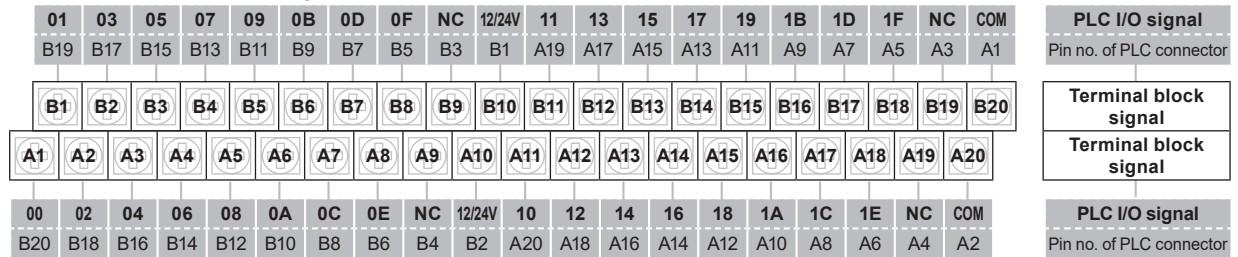
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "■ Ordering Information".

● Cable connection diagram

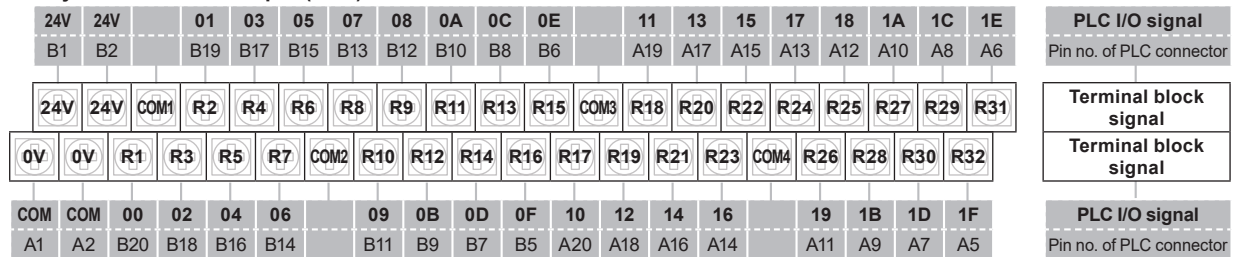
- Interface terminal block input



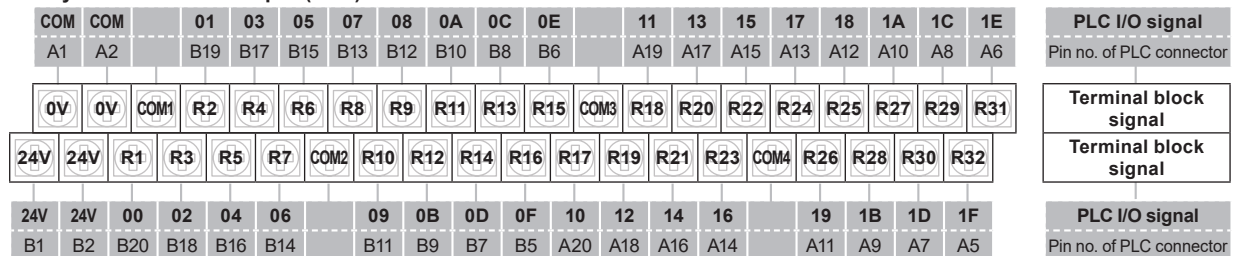
- Interface terminal block output



- Relay terminal block output (NPN)



- Relay terminal block output (PNP)



- I/O Terminal Blocks
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- Sensor Connector Terminal Blocks
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- YOKOGAWA
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- SERVO
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CH Series

◎ LS) XGB Series - Sensor connector terminal block

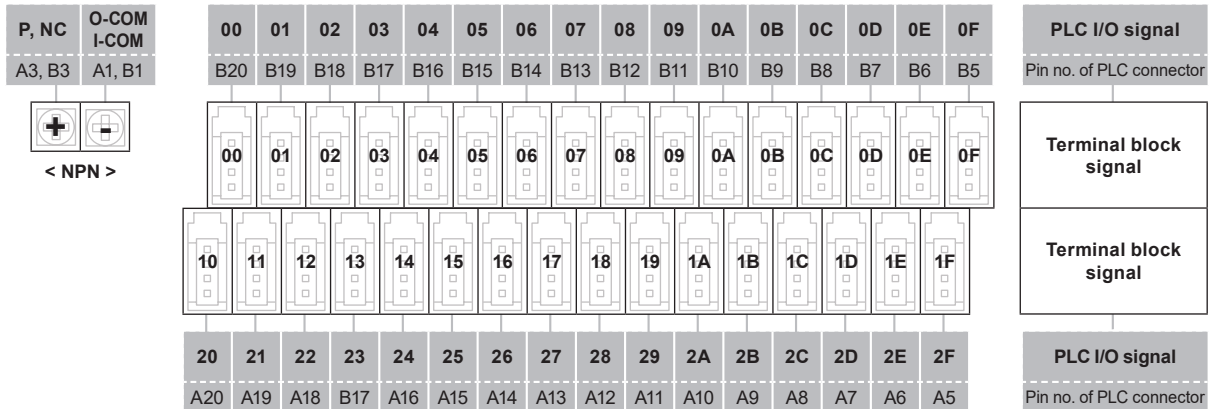
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
XBM-DN32H	Input/Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-D1T1R	1	
XBE-DN32A	Input/Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-D1T1R	1	

※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input/output



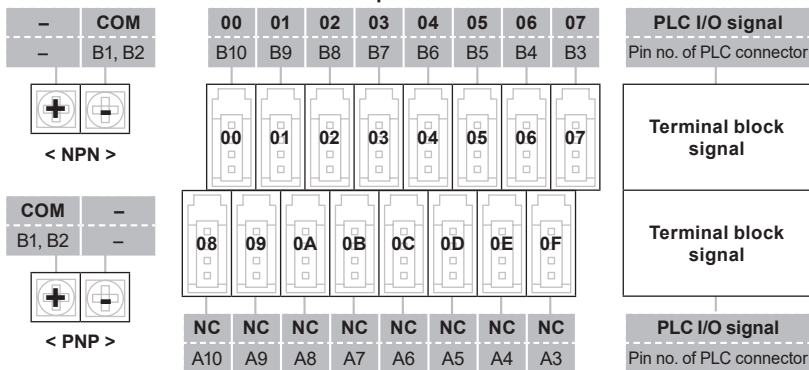
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
XBM-DN16S	Input	8	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T6R	1	
	Input	8	PNP	Sensor connector terminal block	PNP	CH20-HP□-D1T3R	1	
	Output	8	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T1L	1	

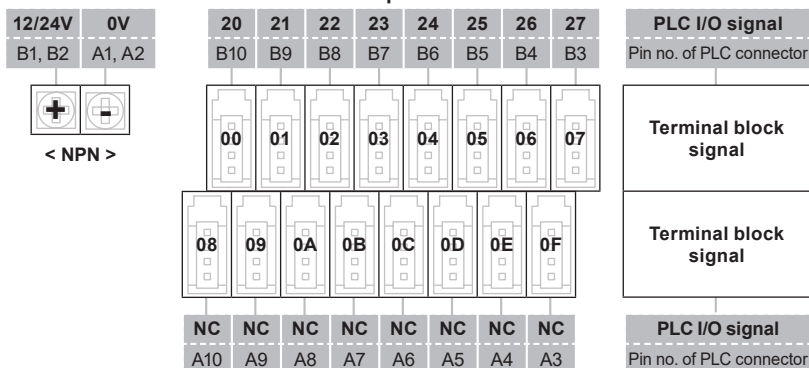
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



◎ LS) XGB Series - Sensor connector terminal block

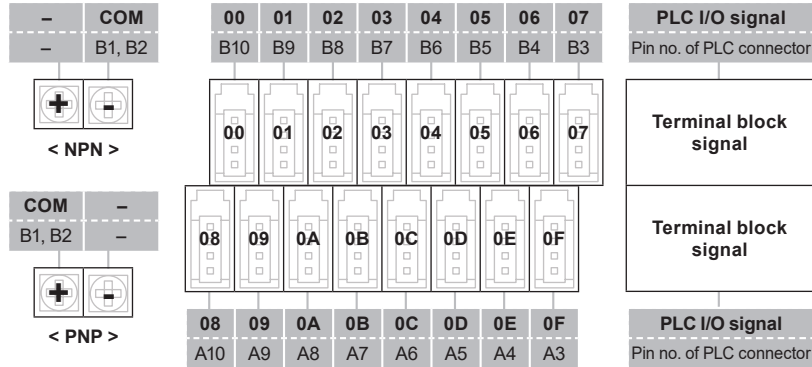
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
XBM-DN32S	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T6R	1	
	Input	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-D1T3R	1	
	Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T1L	1	

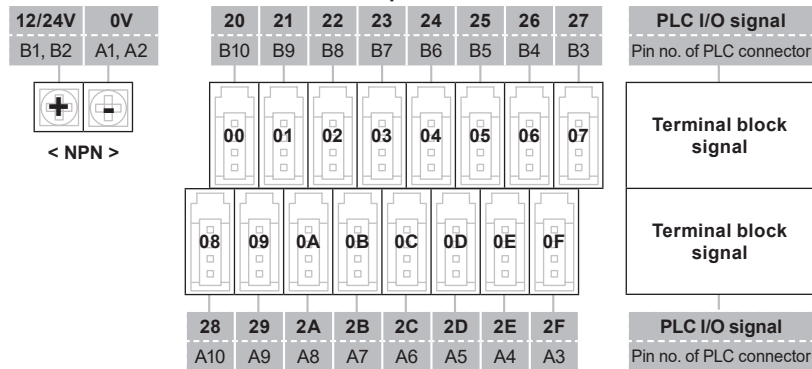
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input



-Sensor connector terminal block output



I/O Terminal Blocks
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◎ LS) XGB Series - Sensor connector terminal block

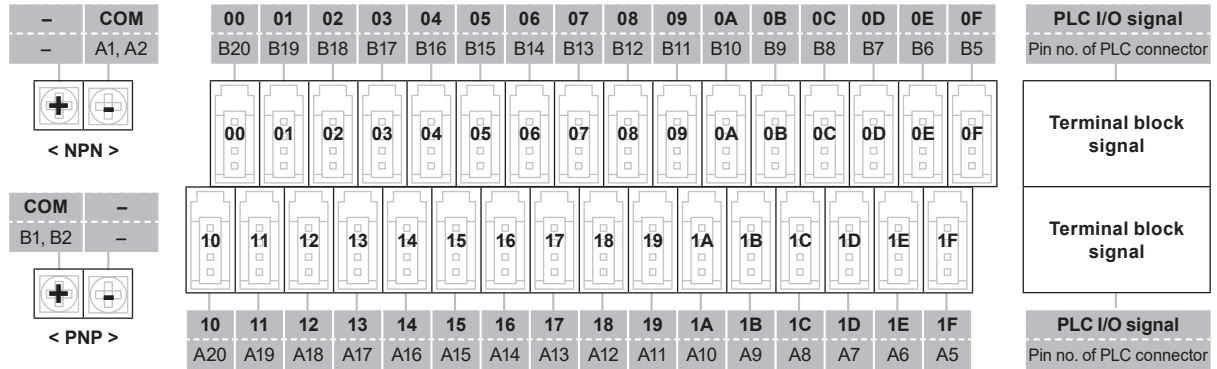
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
XBE-DC32A	Input	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-E1T2L	1	
	Input	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-E1T3L	1	
XBE-TN32A	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-E1T1L	1	
XBE-TP32A	Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-E1T1L	1	

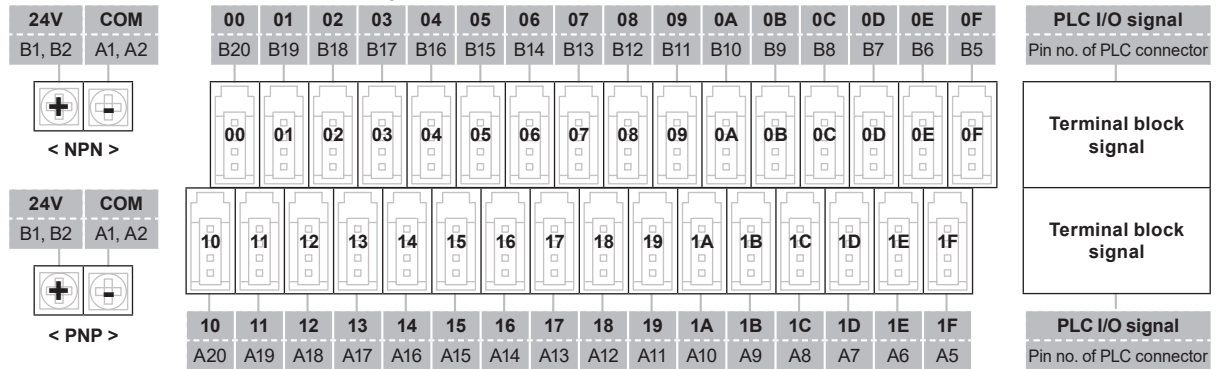
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



◎ MITSUBISHI) iQ-R Series - Interface/Relay terminal block

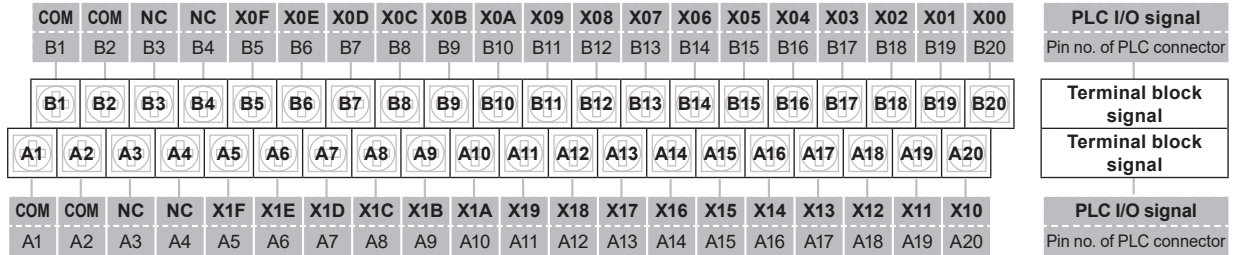
● Cable selection guide

Controller				Terminal block to connect		Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity	
RX41C4, RX41C6HS	Input	32	-	Interface terminal block	CH40-FP□-1R	1	
RY41NT2P, RY41NT2H	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
	Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	
RY41PT1P, RY41PT2H	Output	32	PNP	Interface terminal block	CH40-FP□-1R	1	
	Output	32	PNP	Relay terminal block	CH40-FP□-E1T4R	1	
RX42C4	Input	64	-	Interface terminal block	CH40-FP□-1R	2	
RY42NT2P	Output	64	NPN	Interface terminal block	CH40-FP□-1R	2	
	Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2	
RY42PT1P	Output	64	PNP	Interface terminal block	CH40-FP□-1R	2	
	Output	64	PNP	Relay terminal block	CH40-FP□-E1T4R	2	
RH42C4NT2P	Input	32	-	Interface terminal block	CH40-FP□-1R	1	
	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
	Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	

※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

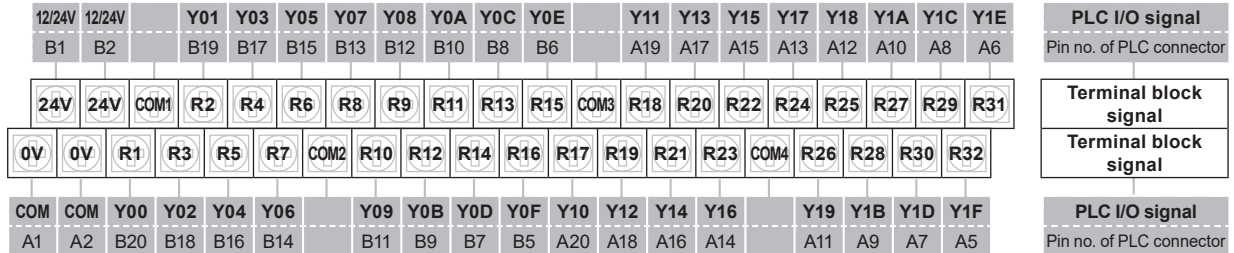
- Interface terminal block input



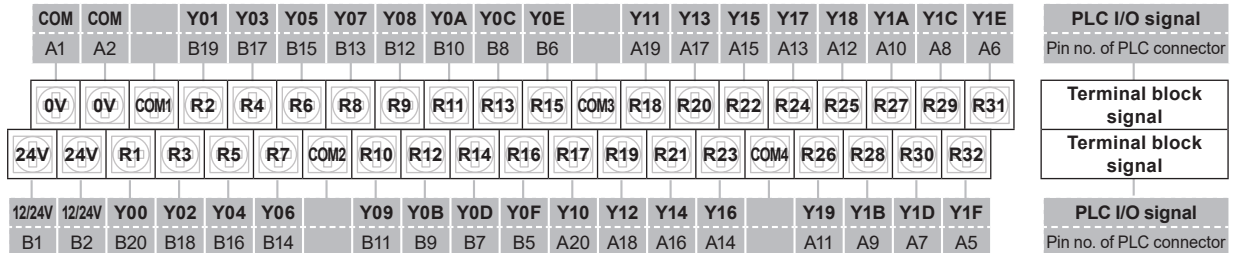
- Interface terminal block output



- Relay terminal block output (NPN)



- Relay terminal block output (PNP)



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

Connector Type Cables

Open Type Cables

Old/New Model Replacement Table

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YOKOGAWA

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CIMON

Autonics

SERVO

Selection Guide

◎ MITSUBISHI) iQ-R Series - Sensor connector terminal block

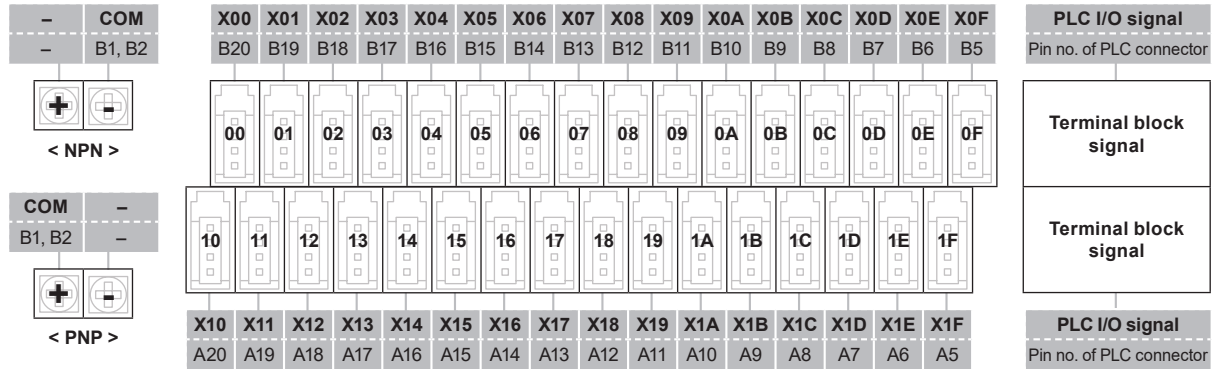
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
RX41C4, RX41C6HS	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1	
			PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1	
RY41NT2P, RY41NT2H	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1	
RY41PT1P, RY41PT2H	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	1	
RX42C4	Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2	
			PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2	
RY42NT2P	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2	
RY42PT1P	Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2	
RH42C4NT2P	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1	
			PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1	
	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1	

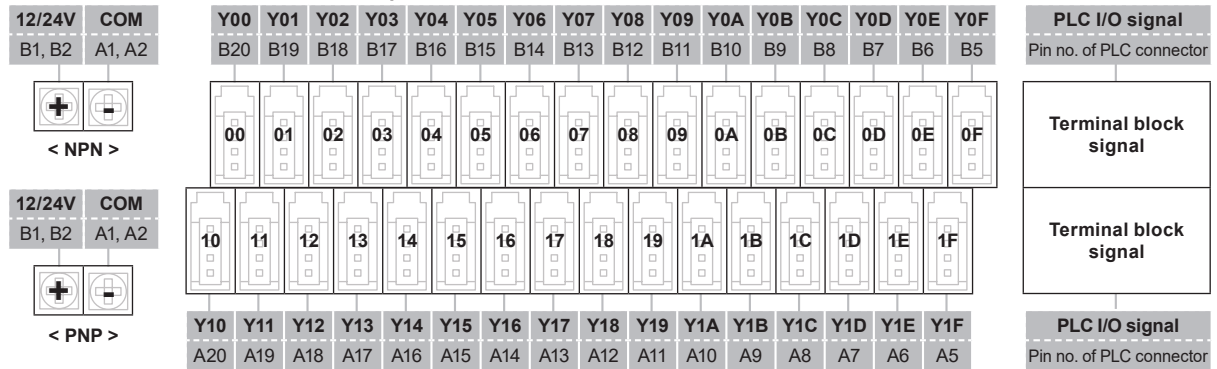
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



Connector Type I/O Cable

◎ MITSUBISHI) QnU Series - Interface/Relay terminal block

● Cable selection guide

Controller				Terminal block to connect		Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity	
QX41, QX42-S1/S2	Input	32	-	Interface terminal block	CH40-FP□-1R	1	
QH42P, QX41Y41P	Input	32	-	Interface terminal block	CH40-FP□-1R	1	
	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
QX42, QX42-S1	Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	
	Input	64	-	Interface terminal block	CH40-FP□-1R	2	
QX82	Input	64	-	Interface terminal block	CH40-FP□-1R	2	
QY41P	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
	Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	
QY42P	Output	64	NPN	Interface terminal block	CH40-FP□-1R	2	
	Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2	
QY82P	Output	64	PNP	Interface terminal block	CH40-FP□-1R	2	
	Output	64	PNP	Relay terminal block	CH40-FP□-E1T4R	2	

※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

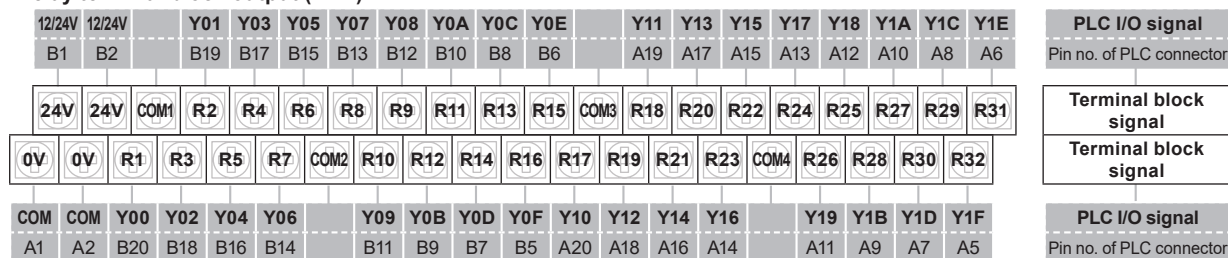
- Interface terminal block input



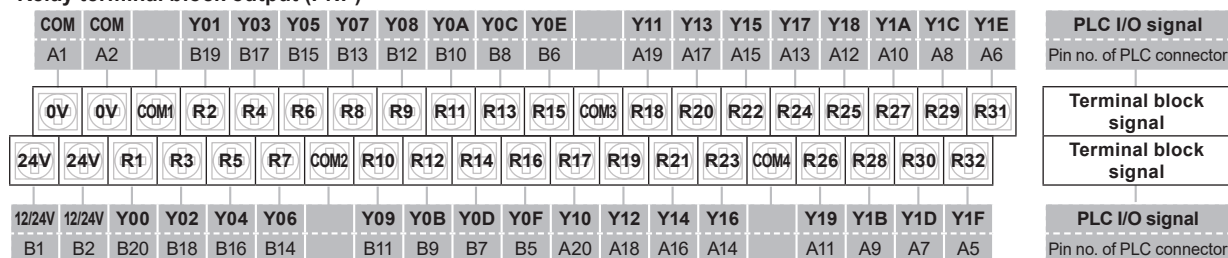
- Interface terminal block output



- Relay terminal block output (NPN)



- Relay terminal block output (PNP)



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

Connector Type Cables

Open Type Cables

Old/New Model Replacement Table

Remote I/O

Others

General Features

Connections

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MITSUBISHI

OMRON

RS Automation

YOKOGAWA

FUJII

CIMON

Autonics

SERVO

Selection Guide

◎ MITSUBISHI) QnU Series - Interface/Relay terminal block

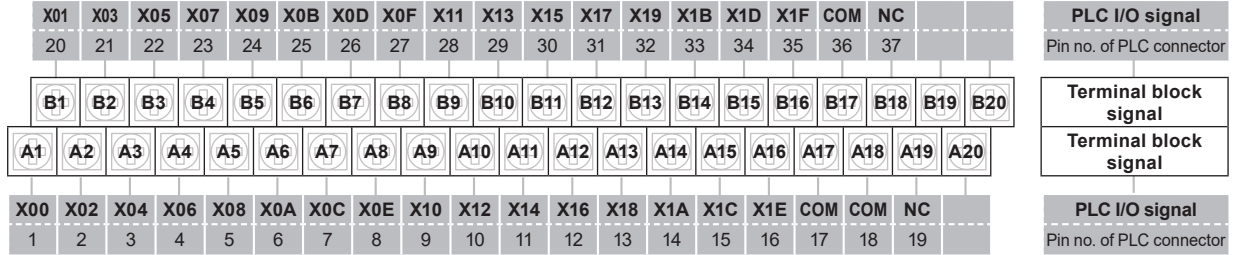
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
QX81, QX81-S2	Input	32	-	Interface terminal block	CH37-DP□-3R	1
	Output	32	PNP	Interface terminal block	CH37-DP□-3R	1
QY81P	Output	32	PNP	Relay terminal block	CH37-DP□-B6T1R	1

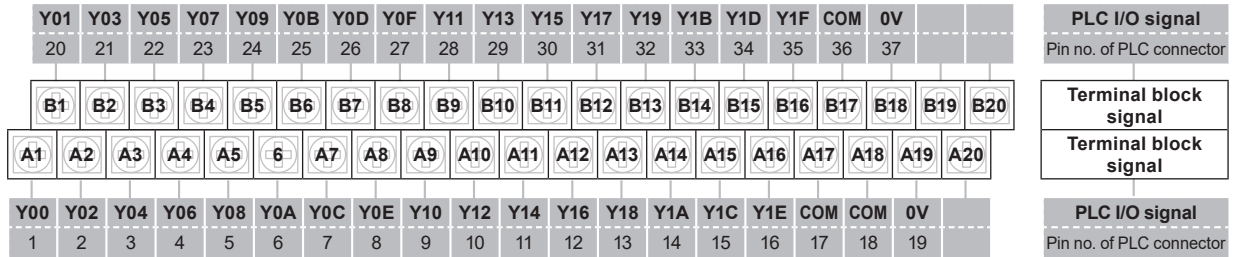
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

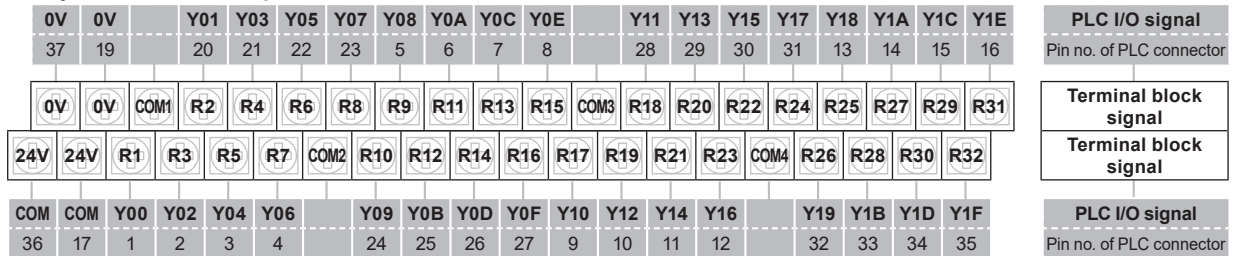
- Interface terminal block Input



- Interface terminal block output



- Relay terminal block output



Connector Type I/O Cable

◎ MITSUBISHI) QnU Series - Sensor connector terminal block

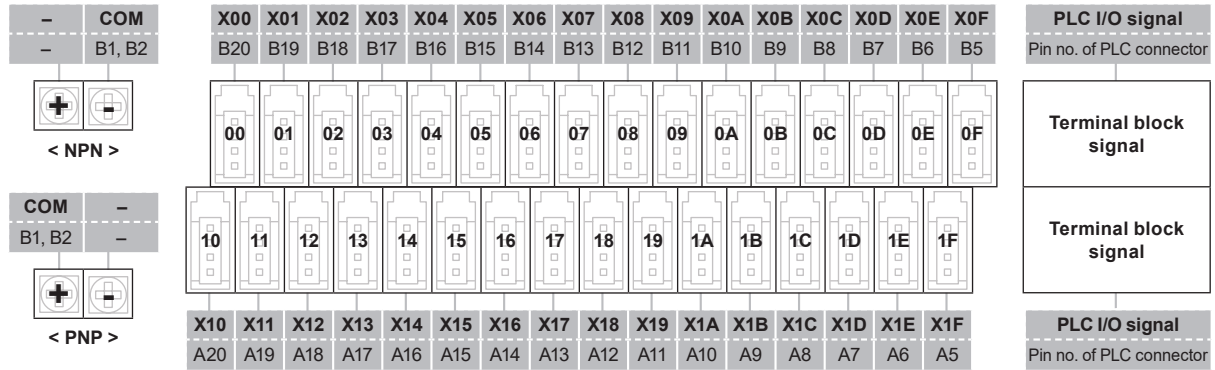
● Cable selection guide

Controller			Terminal block to connect				Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
QX41, QX42-S1/S2	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1	
			PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1	
QH42P, QX41Y41P	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1	
	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1	
QX42, QX42-S1	Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2	
			PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2	
QX82	Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2	
			PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2	
QY41P	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1	
QY42P	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2	
QY82P	Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2	

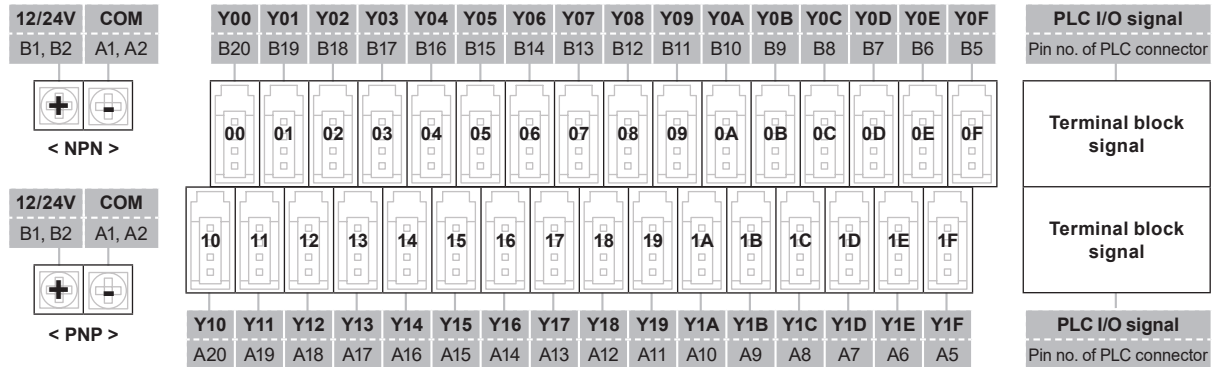
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

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Open Type Cables

Old/New Model Replacement Table

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OMRON

RS Automation

YOKOGAWA

FUJI

CIMON

Autonics

SERVO

Selection Guide

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◎ MITSUBISHI) QnU Series - Sensor connector terminal block

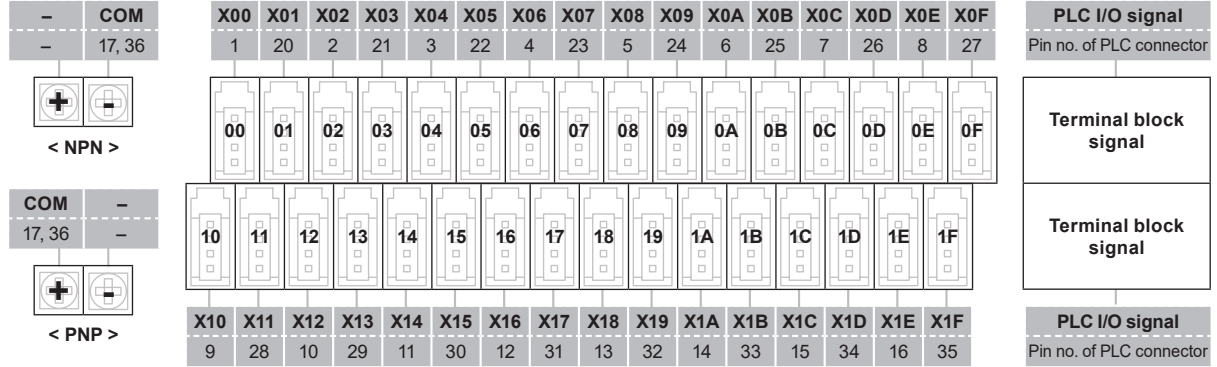
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
QX81, QX81-S2	Input	32	NPN	Sensor connector terminal block	NPN	CH37-DP□-B6T2R	1	
			PNP	Sensor connector terminal block	PNP	CH37-DP□-B6T5R	1	
QY81P	Output	32	PNP	Sensor connector terminal block	PNP	CH37-DP□-B6T1R	1	

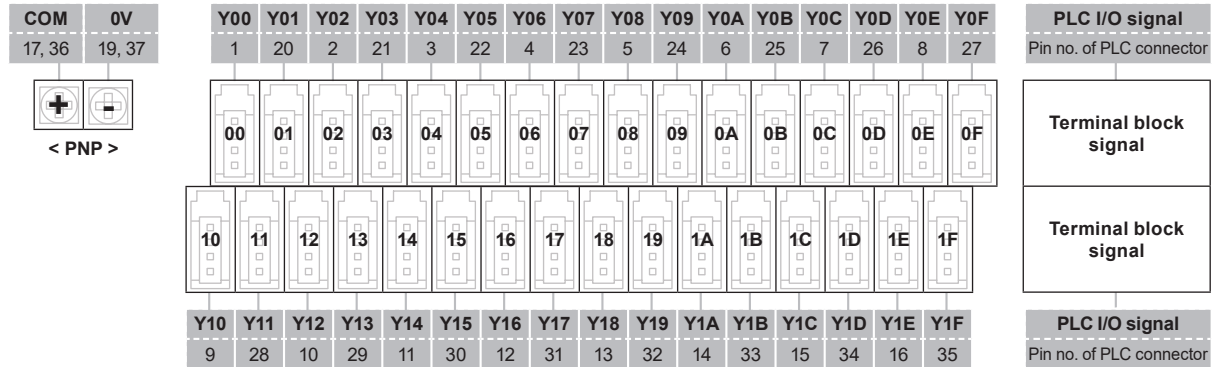
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input



-Sensor connector terminal block output



◎ OMRON) CJ/NJ Series - Interface/Relay terminal block

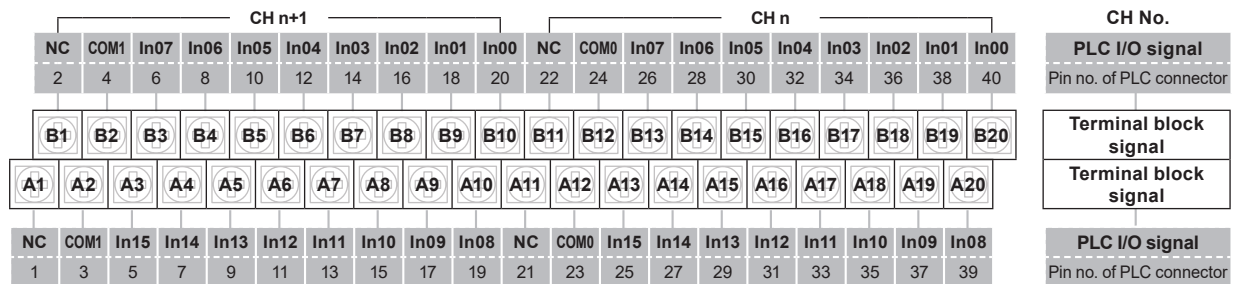
● Cable selection guide

Controller	I/O	No. of I/O	Logic	Terminal block to connect	Proper cable	Quantity
CJ1W-ID232, CJ1W-ID233	Input	32	-	Interface terminal block	CH40-HP□-4L	1
CJ1W-ID262	Input1	32	-	Interface terminal block	CH40-HP□-1R	1
	Input2	32	-	Interface terminal block	CH40-HP□-4L	1
CJ1W-OD233, CJ1W-OD234	Output	32	NPN	Interface terminal block	CH40-HP□-4L	1
	Output	32	NPN	Relay terminal block	CH40-HP□-ICM1L	1
CJ1W-OD263	Output1	32	NPN	Interface terminal block	CH40-HP□-1R	1
	Output2	32	NPN	Interface terminal block	CH40-HP□-4L	1
	Output1	32	NPN	Relay terminal block	CH40-HP□-L9M4R	1
	Output2	32	NPN	Relay terminal block	CH40-HP□-ICM1L	1
CJ1W-OD232	Output	32	PNP	Interface terminal block	CH40-HP□-4L	1
	Output	32	PNP	Relay terminal block	CH40-HP□-ICM4L	1
CJ1W-OD262	Output1	32	PNP	Interface terminal block	CH40-HP□-1R	1
	Output2	32	PNP	Interface terminal block	CH40-HP□-4L	1
	Output1	32	PNP	Relay terminal block	CH40-HP□-L9M1R	1
	Output2	32	PNP	Relay terminal block	CH40-HP□-ICM4L	1
CJ1W-MD263	Input	32	-	Interface terminal block	CH40-HP□-4L	1
	Output	32	NPN	Interface terminal block	CH40-HP□-1R	1
	Output	32	NPN	Relay terminal block	CH40-HP□-L9M1R	1

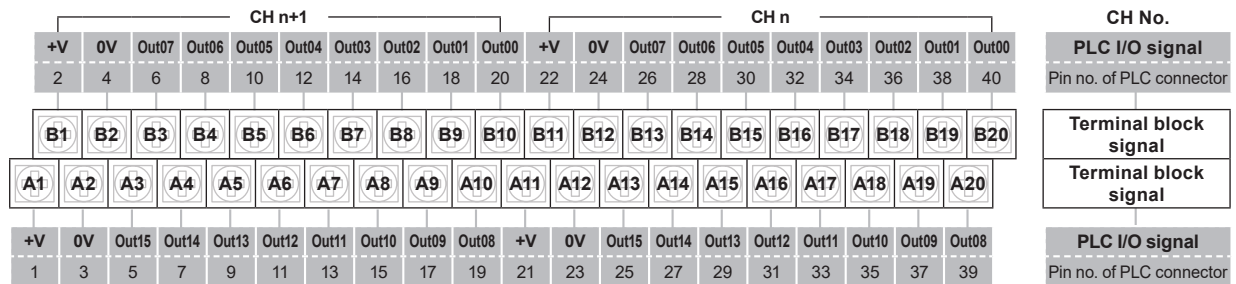
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Interface terminal block input



- Interface terminal block output



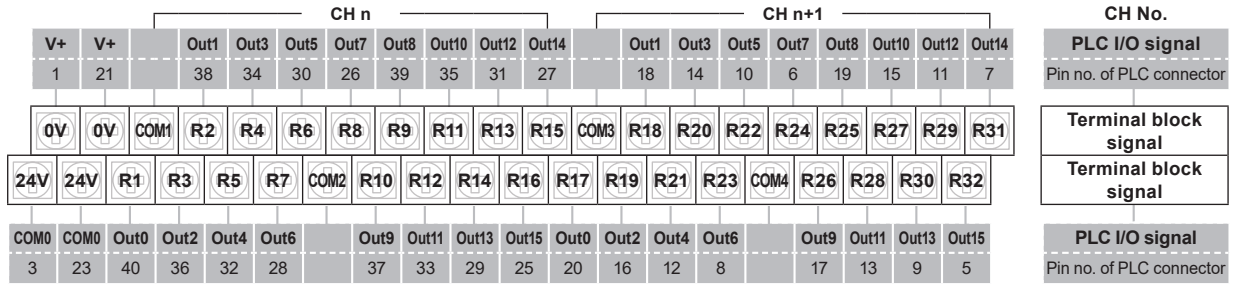
- I/O Terminal Blocks
- Interface Terminal Blocks
- Common Terminal Blocks
- Sensor Connector Terminal Blocks
- Relay Terminal Blocks
- I/O Cables
- Connector Type Cables
- Open Type Cables
- Old/New Model Replacement Table
- Remote I/O
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- Connections
- LS
- OMRON
- RS Automation
- YOKOGAWA
- FUJII
- CIMON
- Autonics
- SERVO

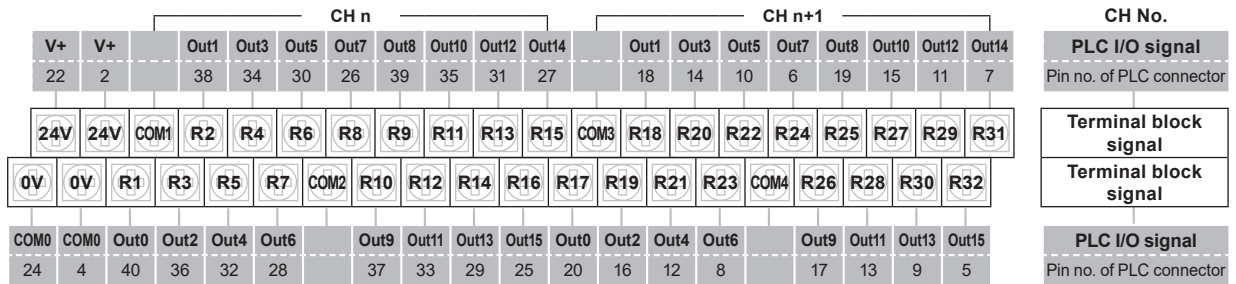
Selection Guide

CH Series

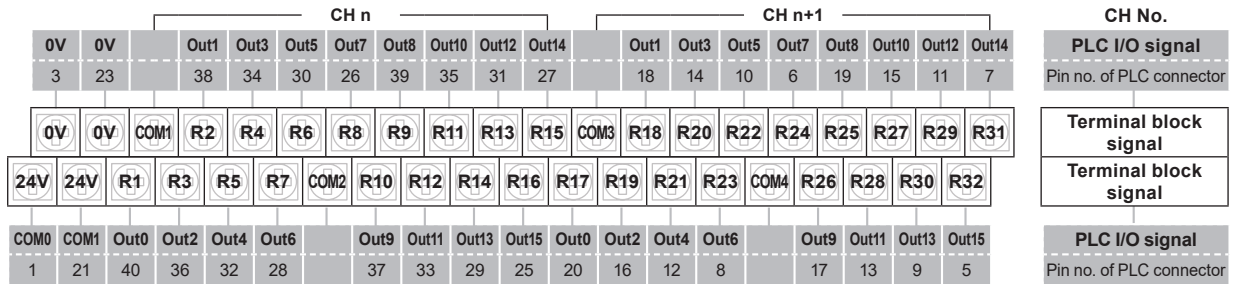
- Relay terminal block output, connector direction 'R' (NPN)



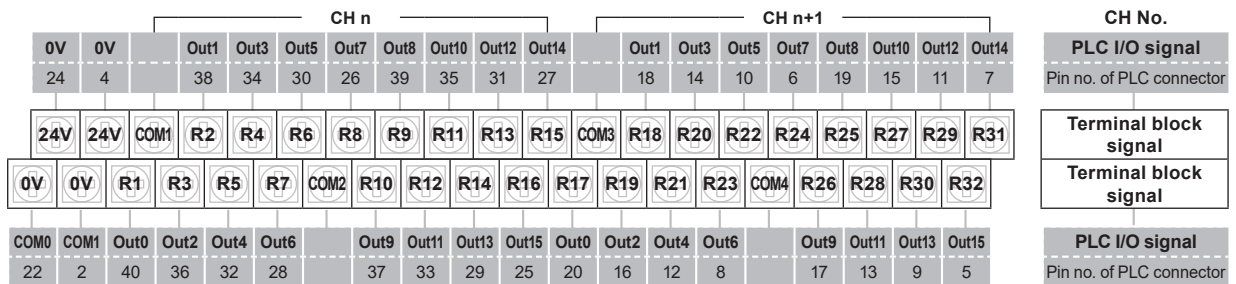
- Relay terminal block output, connector direction 'L' (NPN)



- Relay terminal block output, connector direction 'R' (PNP)



- Relay terminal block output, connector direction 'L' (PNP)



◎ OMRON) CJ/NJ Series - Interface/Relay terminal block

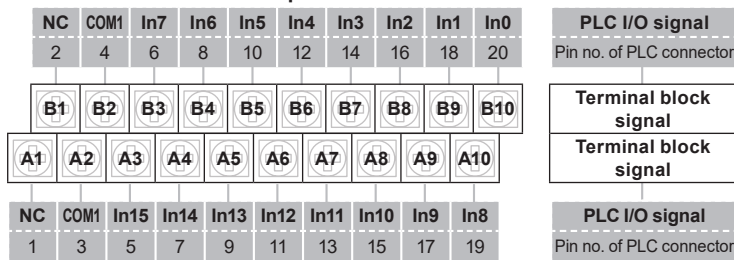
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
CJ1W-MD233	Input	16	-	Interface terminal block	CH20-HP□-4L	1
	Output	16	NPN	Interface terminal block	CH20-HP□-1R	1
	Output	16	NPN	Relay terminal block	CH20-HP□-C1T4R	1
CJ1W-MD232	Input	16	-	Interface terminal block	CH20-HP□-4L	1
	Output	16	PNP	Interface terminal block	CH20-HP□-1R	1
	Output	16	PNP	Relay terminal block	CH20-HP□-C1T4R	1

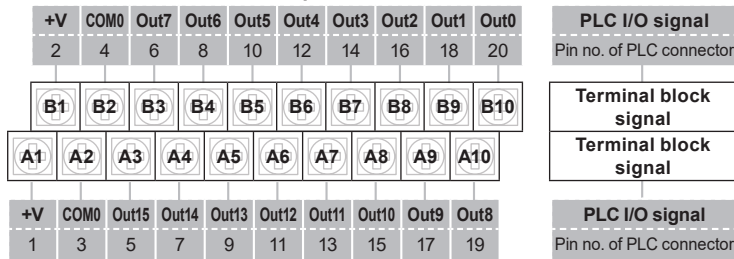
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

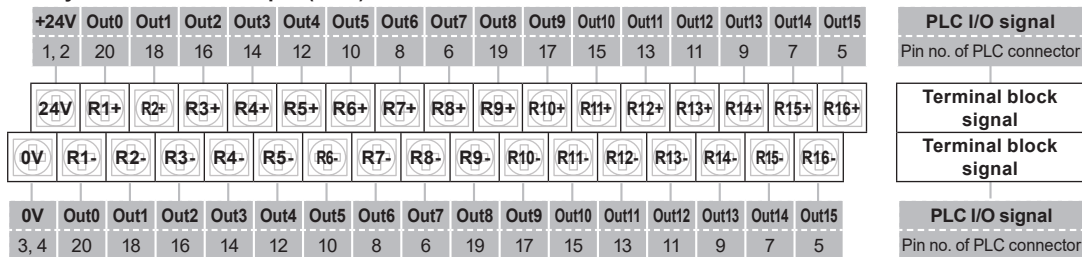
- Interface terminal block input



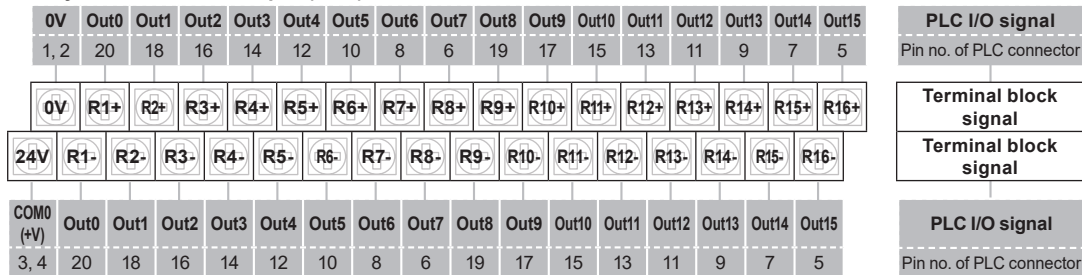
- Interface terminal block output



- Relay terminal block output (NPN)



- Relay terminal block output (PNP)



- I/O Terminal Blocks
- Interface Terminal Blocks
- Common Terminal Blocks
- Sensor Connector Terminal Blocks
- Relay Terminal Blocks
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- Connector Type Cables
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- RS Automation
- YOKOGAWA
- FUJII
- CIMON
- Autonics
- SERVO
- Selection Guide

◎ OMRON CJ/NJ Series - Interface/Relay terminal block

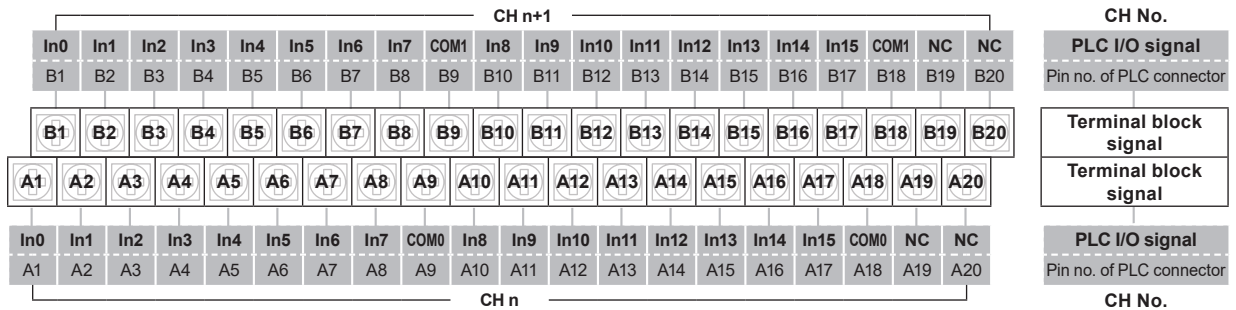
● Cable selection guide

Controller				Terminal block to connect		Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity	
CJ1W-ID231	Input	32	-	Interface terminal block	CH40-FP□-4L	1	
CJ1W-ID261	Input1	32	-	Interface terminal block	CH40-FP□-1R	1	
	Input2	32	-	Interface terminal block	CH40-FP□-4L	1	
CJ1W-OD231	Output	32	NPN	Interface terminal block	CH40-FP□-4L	1	
	Output	32	NPN	Relay terminal block	CH40-FP□-L1T4L	1	
CJ1W-OD261	Output1	32	NPN	Interface terminal block	CH40-FP□-1R	1	
	Output2	32	NPN	Interface terminal block	CH40-FP□-4L	1	
	Output1	32	NPN	Relay terminal block	CH40-FP□-H4T1R	1	
	Output2	32	NPN	Relay terminal block	CH40-FP□-L1T4L	1	
CJ1W-MD261	Input	32	-	Interface terminal block	CH40-FP□-4L	1	
	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
	Output	32	NPN	Relay terminal block	CH40-FP□-H4T1R	1	

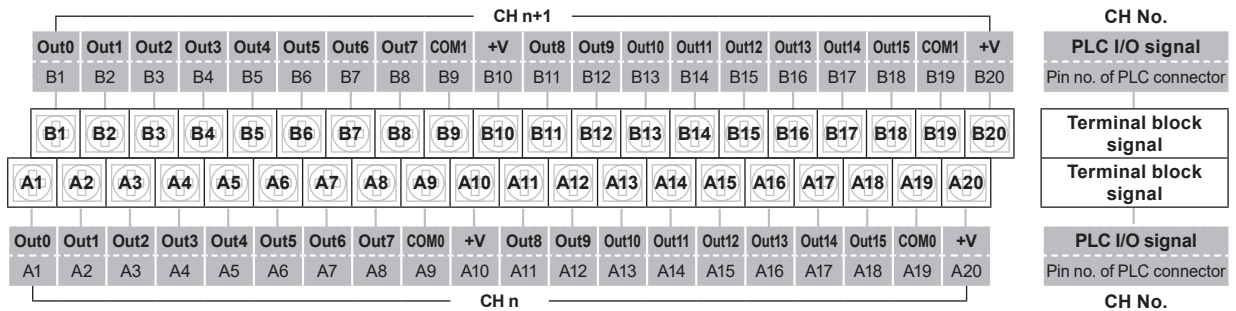
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

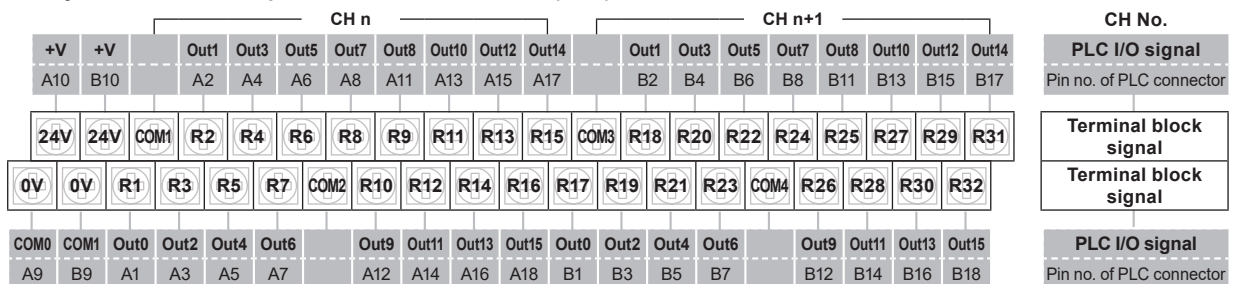
- Interface terminal block input



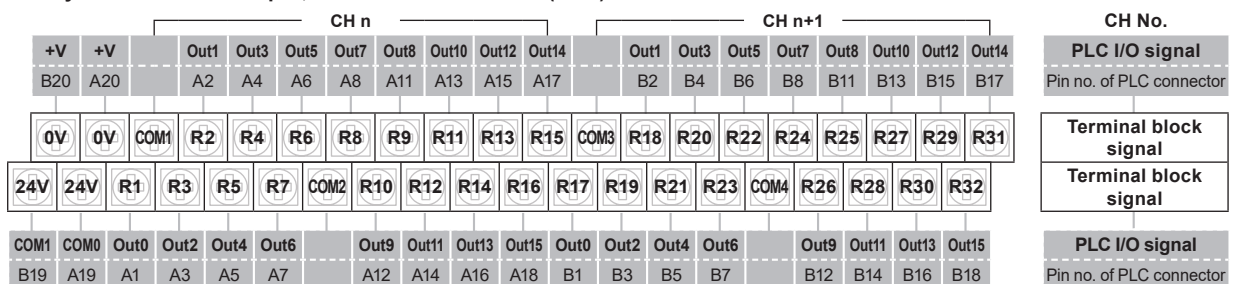
- Interface terminal block output



- Relay terminal block output, connector direction 'R' (NPN)



- Relay terminal block output, connector direction 'L' (NPN)



◎ OMRON CJ/NJ Series - Sensor connector terminal block

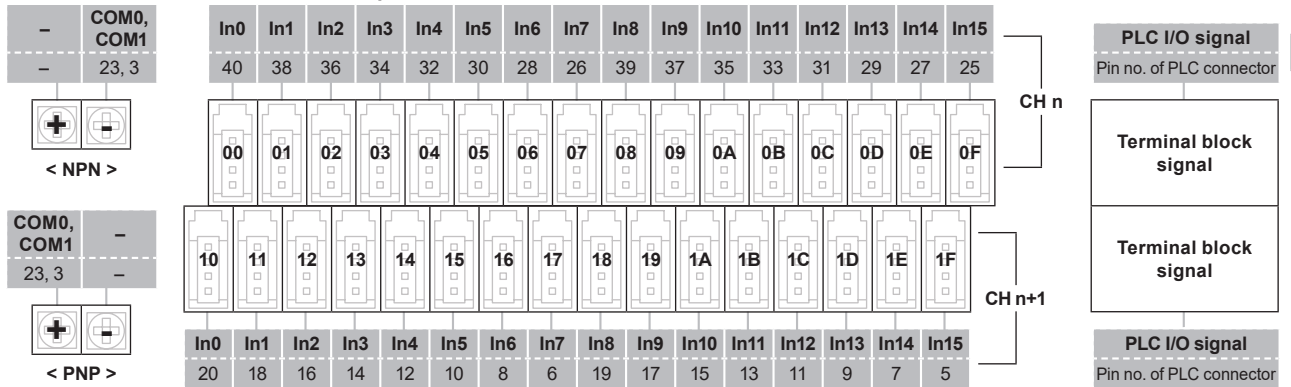
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
CJ1W-ID232, CJ1W-ID233	Input	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM2L	1	
	Input	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM3L	1	
CJ1W-ID262	Input1	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-L9M6R	1	
	Input1	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-L9M3R	1	
	Input2	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM2L	1	
	Input2	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM3L	1	
CJ1W-OD233, CJ1W-OD234	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM1L	1	
CJ1W-OD263	Output1	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-L9M4R	1	
	Output2	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM1L	1	
CJ1W-OD232	Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM1L	1	
CJ1W-OD262	Output1	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-L9M4R	1	
	Output2	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM1L	1	
CJ1W-MD263	Input	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM2L	1	
	Input	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM3L	1	
	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-L9M4R	1	

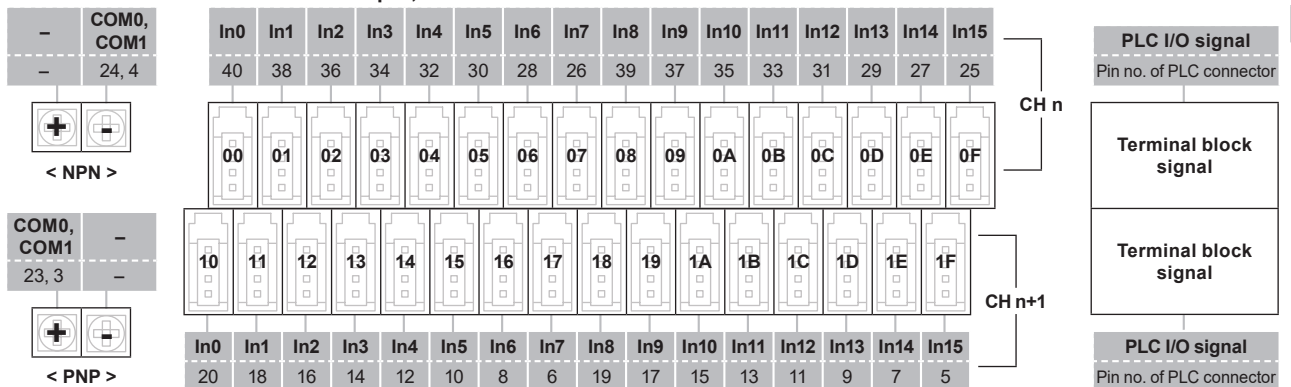
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input, connector direction 'R'



- Sensor connector terminal block input, connector direction 'L'



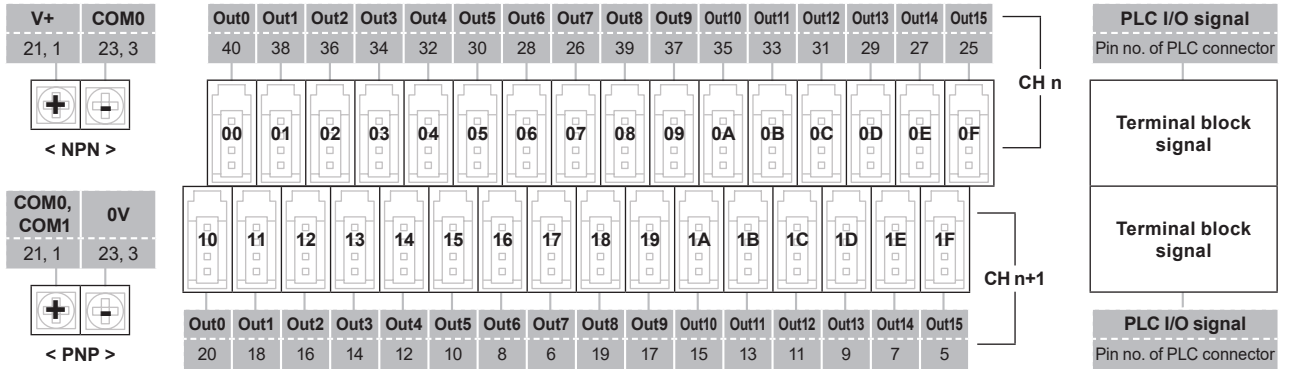
- I/O Terminal Blocks
- Interface Terminal Blocks
- Common Terminal Blocks
- Sensor Connector Terminal Blocks
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- Connector Type Cables
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- OMRON
- RS Automation
- YOKOGAWA
- FUJI
- CIMON
- Autonics
- SERVO

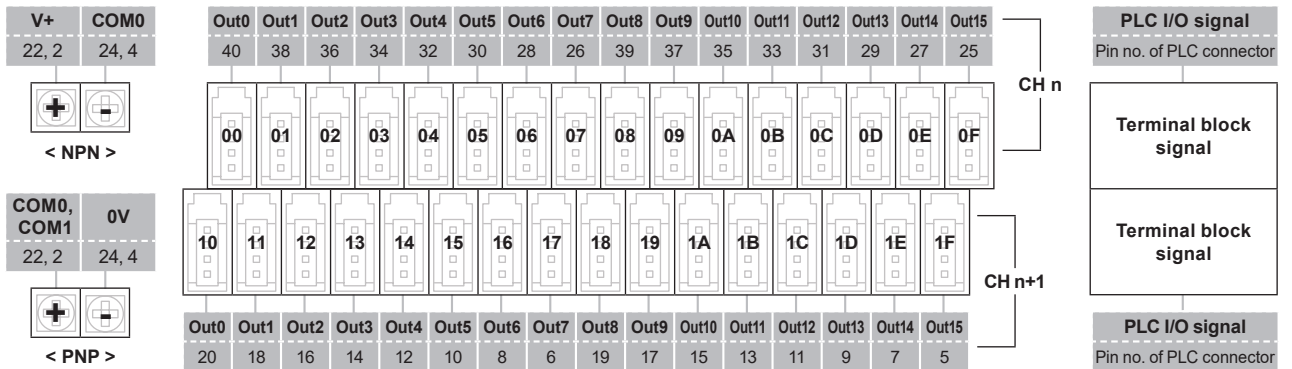
Selection Guide

CH Series

- Sensor connector terminal block output, connector direction 'R'



- Sensor connector terminal block output, connector direction 'L'



◎ OMRON CJ/NJ Series - Sensor connector terminal block

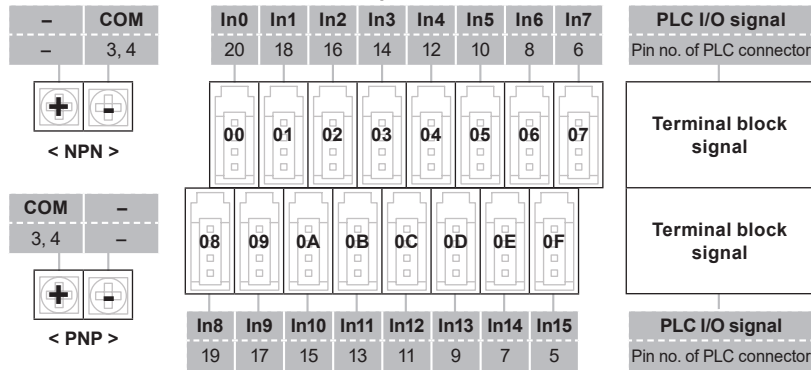
● Cable selection guide

Controller		Terminal block to connect				Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity
CJ1W-MD233	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1
			PNP	Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1
CJ1W-MD232	Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T4R	1
			PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T1R	1

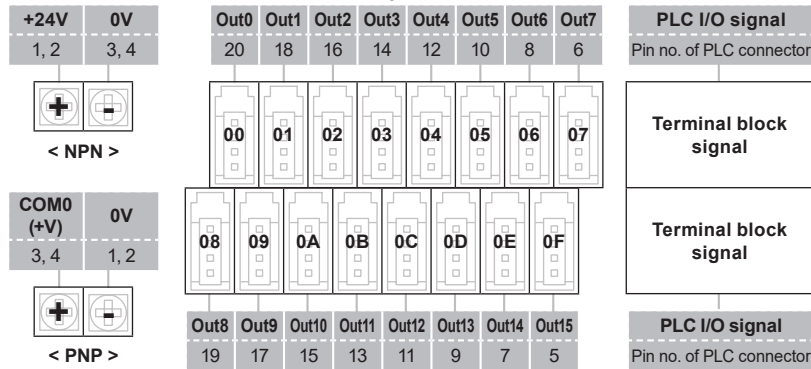
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



I/O Terminal Blocks
Interface Terminal Blocks
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Sensor Connector Terminal Blocks
Relay Terminal Blocks
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OMRON
RS Automation
YOKOGAWA
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CIMON
Autonics
SERVO
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◎ OMRON) CJ/NJ Series - Sensor connector terminal block

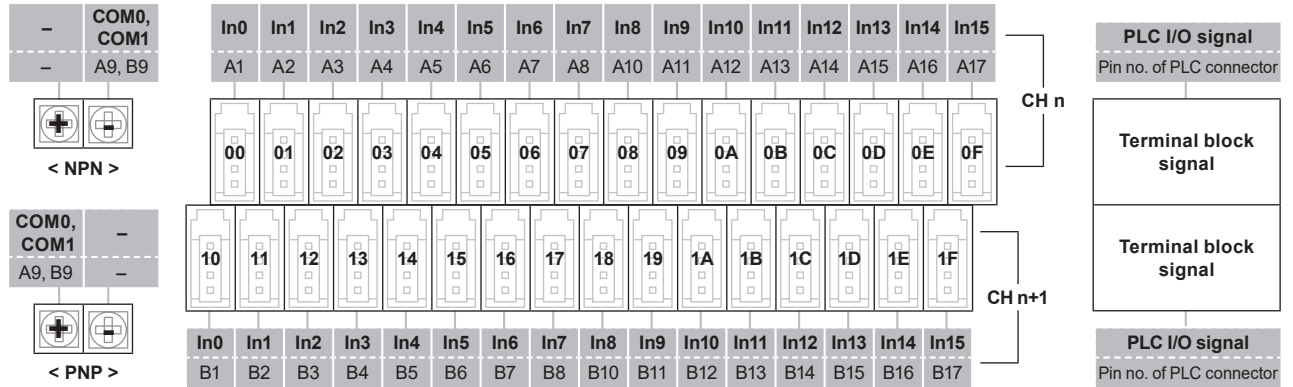
● Cable selection guide

Controller			Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity
CJ1W-ID231	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-X1T6L	1
			PNP	Sensor connector terminal block	PNP	CH40-FP□-X1T3L	1
CJ1W-ID261	Input1	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	1
			PNP	Sensor connector terminal block	PNP	CH40-FP□-W4T5R	1
	Input2	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-X1T6L	1
			PNP	Sensor connector terminal block	PNP	CH40-FP□-X1T3L	1
CJ1W-OD231	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-L1T4L	1
CJ1W-OD261	Output1	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-H4T1R	1
	Output2	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-L1T4L	1
CJ1W-MD261	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-X1T6L	1
	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-H4T1R	1

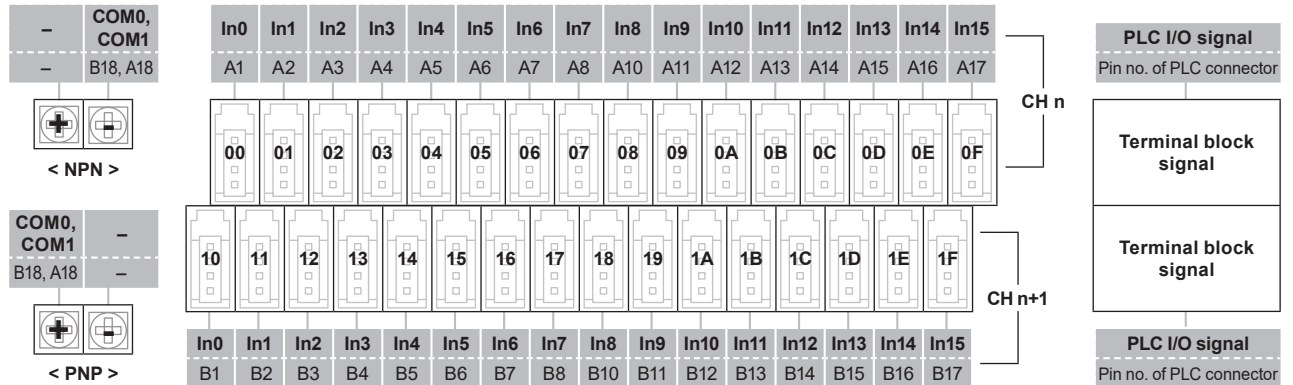
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

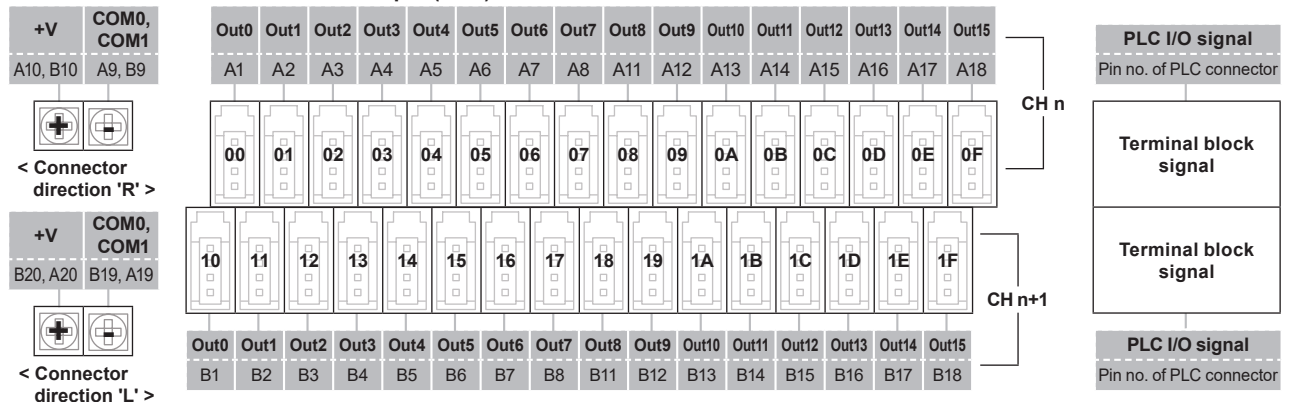
- Sensor connector terminal block input, connector direction 'R'



- Sensor connector terminal block input, connector direction 'L'



- Sensor connector terminal block output (NPN)



◎ OMRON NX Series - Interface/Relay terminal block

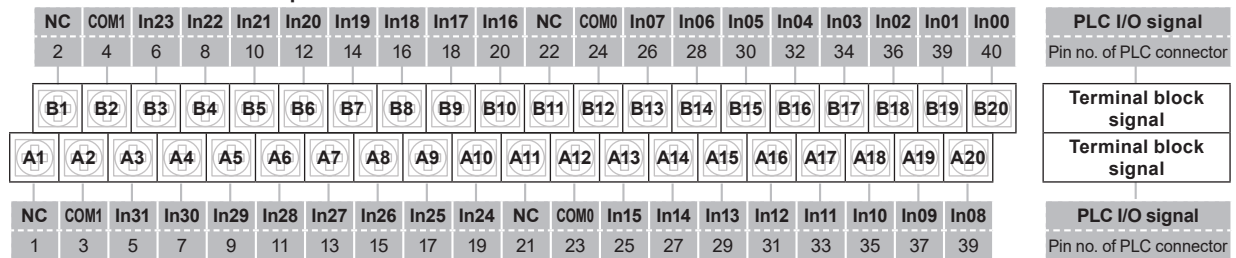
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
NX-ID6142-5	Input	32	-	Interface terminal block	CH40-HP□-4L	1
NX-OD6121-5	Output	32	NPN	Interface terminal block	CH40-HP□-4L	1
	Output	32	NPN	Relay terminal block	CH40-HP□-ICM1L	1
NX-OD6256-5	Output	32	PNP	Interface terminal block	CH40-HP□-4L	1
	Output	32	PNP	Relay terminal block	CH40-HP□-ICM4L	1

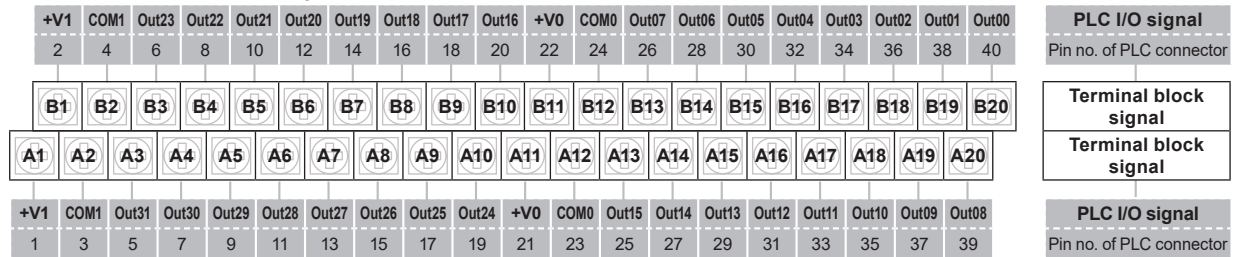
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "□ Ordering Information".

● Cable connection diagram

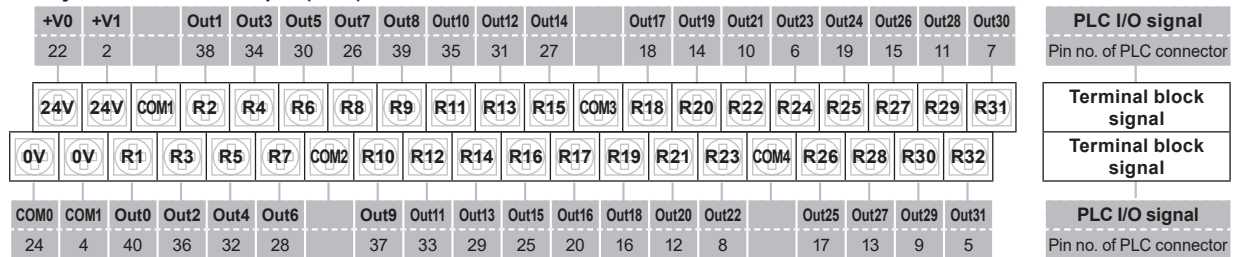
- Interface terminal block input



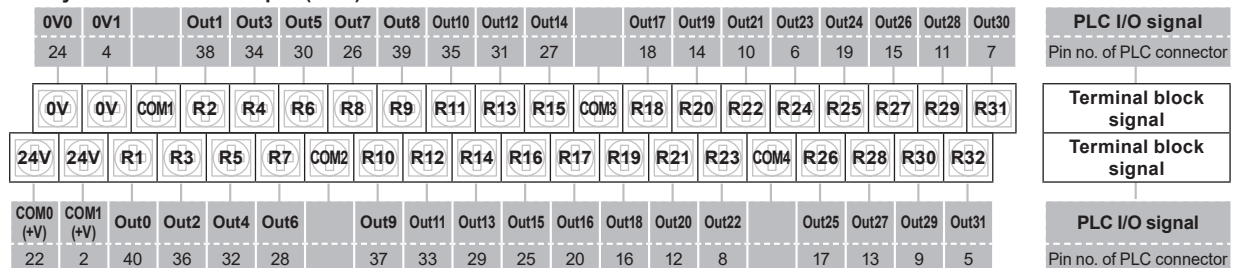
- Interface terminal block output



-Relay terminal block output (NPN)



-Relay terminal block output (PNP)



I/O Terminal Blocks	
Interface Terminal Blocks	
Common Terminal Blocks	
Sensor Connector Terminal Blocks	
Relay Terminal Blocks	
I/O Cables	
Connector Type Cables	
Open Type Cables	
Old/New Model Replacement Table	
Remote I/O	
Others	

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RS Automation	
YOKOGAWA	
FUJI	
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◎ OMRON) NX Series - Interface/Relay terminal block

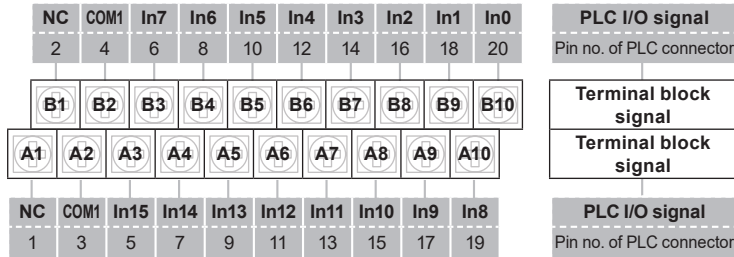
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
NX-ID5142-5	Input	16	-	Interface terminal block	CH20-HP□-4L	1
NX-OD5121-5	Output	16	NPN	Interface terminal block	CH20-HP□-4L	1
	Output	16	NPN	Relay terminal block	CH20-HP□-A4T1L	1
NX-OD5256-5	Output	16	PNP	Interface terminal block	CH20-HP□-4L	1
	Output	16	PNP	Relay terminal block	CH20-HP□-A4T4L	1
NX-MD6121-5	Input	16	-	Interface terminal block	CH20-HP□-4L	1
	Output	16	NPN	Interface terminal block	CH20-HP□-1R	1
	Output	16	NPN	Relay terminal block	CH20-HP□-C1T4R	1
NX-MD6256-5	Input	16	-	Interface terminal block	CH20-HP□-4L	1
	Output	16	PNP	Interface terminal block	CH20-HP□-1R	1
	Output	16	PNP	Relay terminal block	CH20-HP□-C1T4R	1

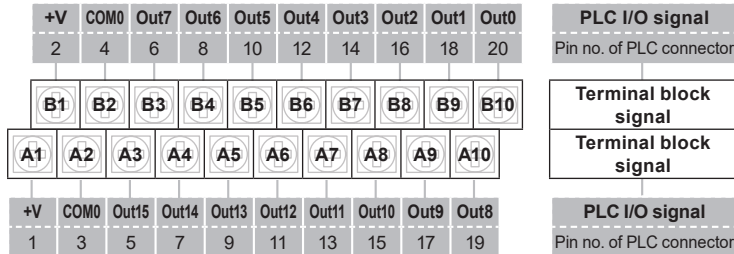
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

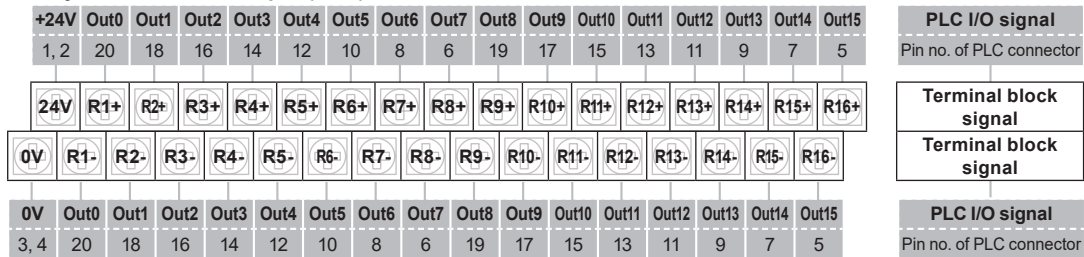
- Interface terminal block input



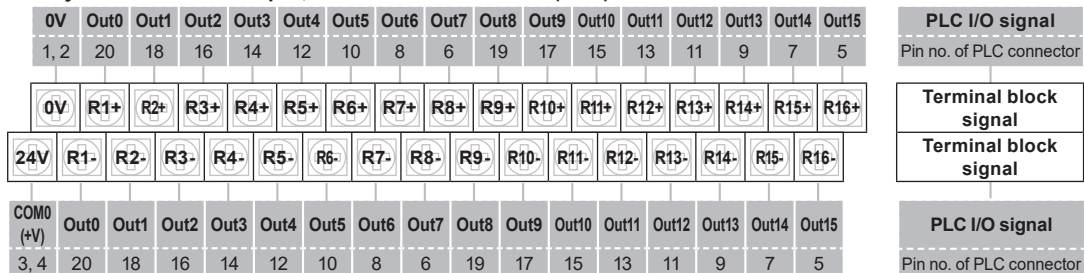
- Interface terminal block output



- Relay terminal block output (NPN)

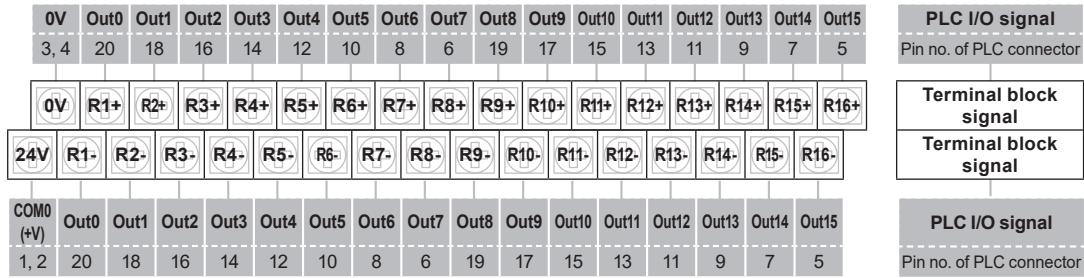


- Relay terminal block output, connector direction 'R' (PNP)



Connector Type I/O Cable

- Relay terminal block output, connector direction 'L' (PNP)



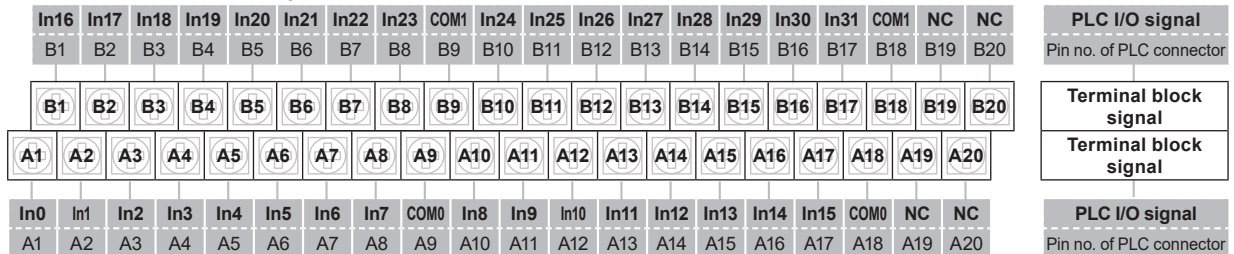
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
NX-ID6142-6	Input	32	-	Interface terminal block	CH40-FP□-4L	1
NX-OD6121-6	Output	32	NPN	Interface terminal block	CH40-FP□-4L	1
	Output	32	NPN	Relay terminal block	CH40-FP□-L1T4L	1

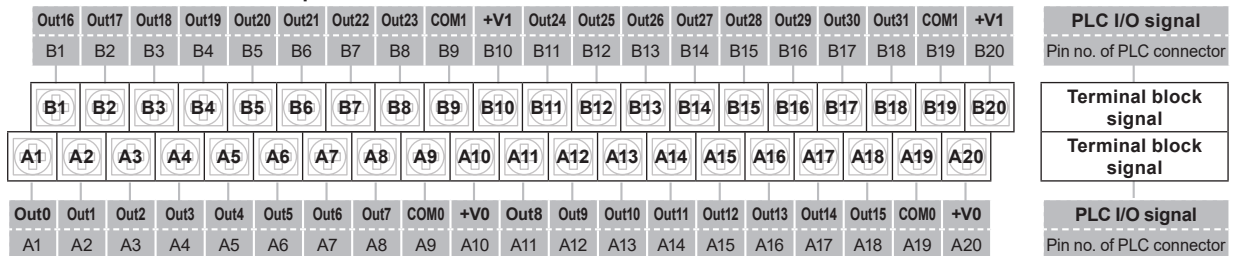
※ □ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

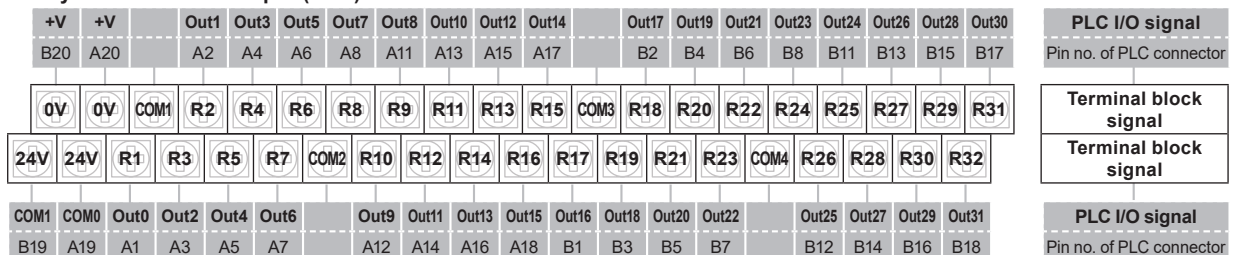
- Interface terminal block input



- Interface terminal block output



- Relay terminal block output (NPN)



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

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OMRON

RS Automation

YOKOGAWA

FUJII

CIMON

Autonics

SERVO

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CH Series

◎ OMRON) NX Series - Sensor connector terminal block

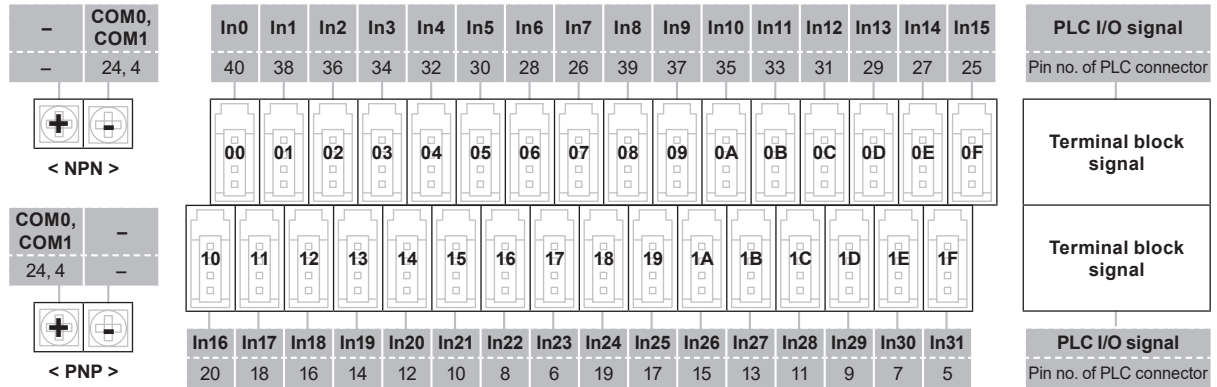
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
NX-ID6142-5	Input	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-ICM2L	1	
			PNP	Sensor connector terminal block	PNP	CH40-HP□-ICM5L	1	
NX-OD6121-5	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-ICM1L	1	
NX-OD6256-5	Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-ICM1L	1	

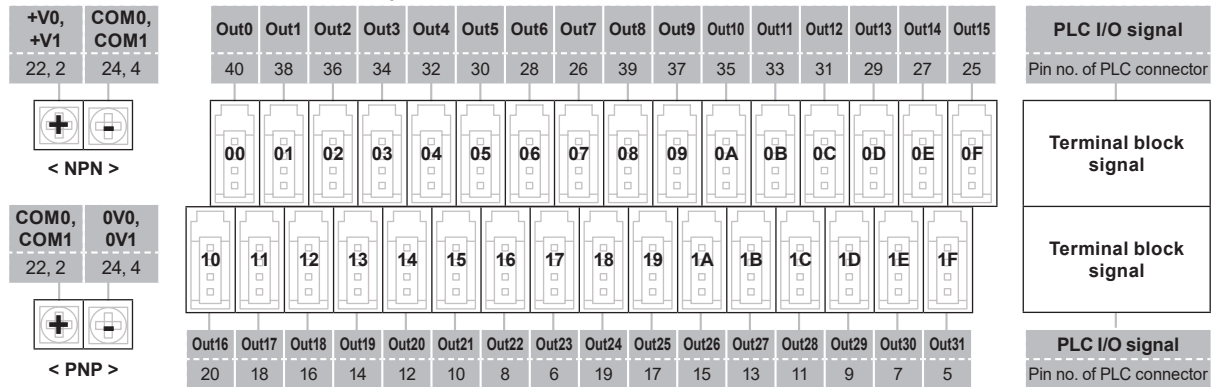
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input



-Sensor connector terminal block output



◎ OMRON) NX Series - Sensor connector terminal block

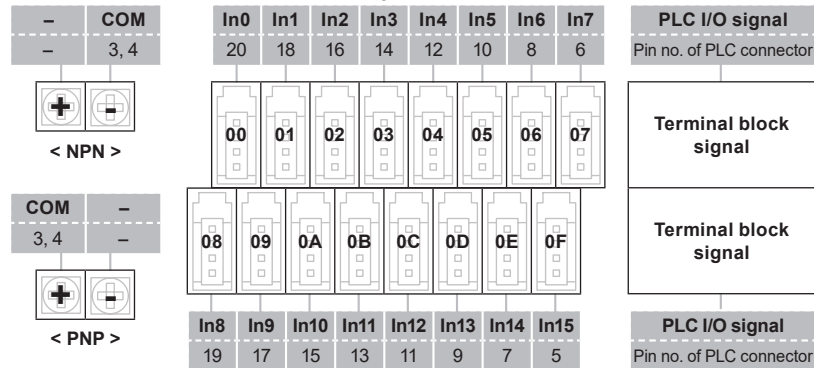
● Cable selection guide

Controller				Terminal block to connect		Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity
NX-ID5142-5	Input	16	-	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1
				Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1
NX-OD5121-5	Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-A4T1L	1
NX-OD5256-5	Output	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-A4T1L	1
NX-MD6121-5	Input	16	-	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1
				Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1
NX-MD6256-5	Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T4R	1
				Sensor connector terminal block	PNP	CH20-HP□-C1T1R	1

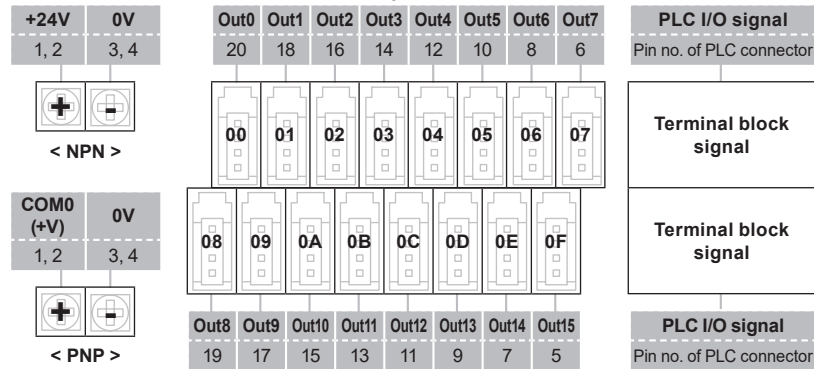
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

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CIMON

Autonics

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Selection Guide

CH Series

◎ RS Automation) X8 Series - Interface/Relay terminal block

● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
X8-XU32, X8-XU32SA	Input	32	-	Interface terminal block	CH40-HP□-4L	1
X8-YN32, X8-YN32S	Output	32	NPN	Interface terminal block	CH40-HP□-4L	1
	Output	32	NPN	Relay terminal block	CH40-HP□-F5T1L	1

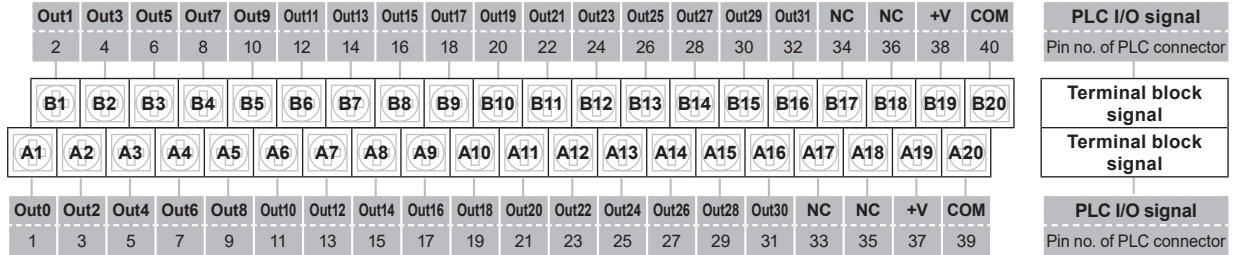
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

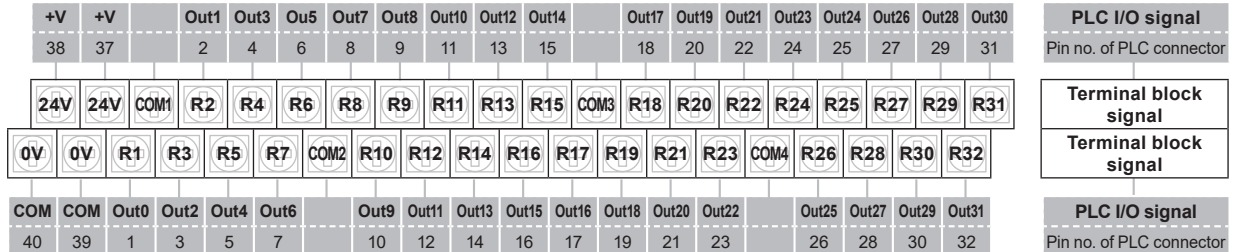
- Interface terminal block input



- Interface terminal block output



- Relay terminal block output (NPN)



◎ RS Automation) X8 Series - Sensor connector terminal block

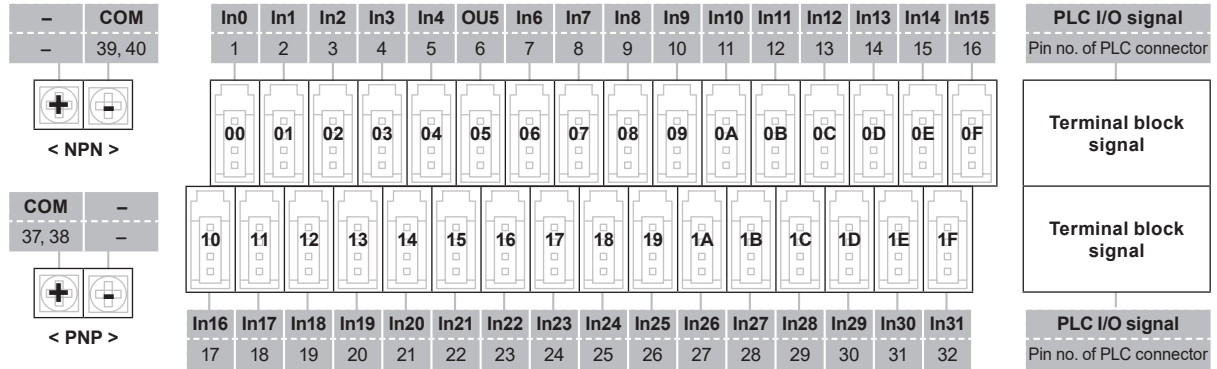
● Cable selection guide

Controller				Terminal block to connect		Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity
X8-XU32, X8-XU32SA	Input	32	-	Sensor connector terminal block	NPN	CH40-HP□-F5T2L	1
				Sensor connector terminal block	PNP	CH40-HP□-F5T3L	1
X8-YN32, X8-YN32S	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-F5T1L	1

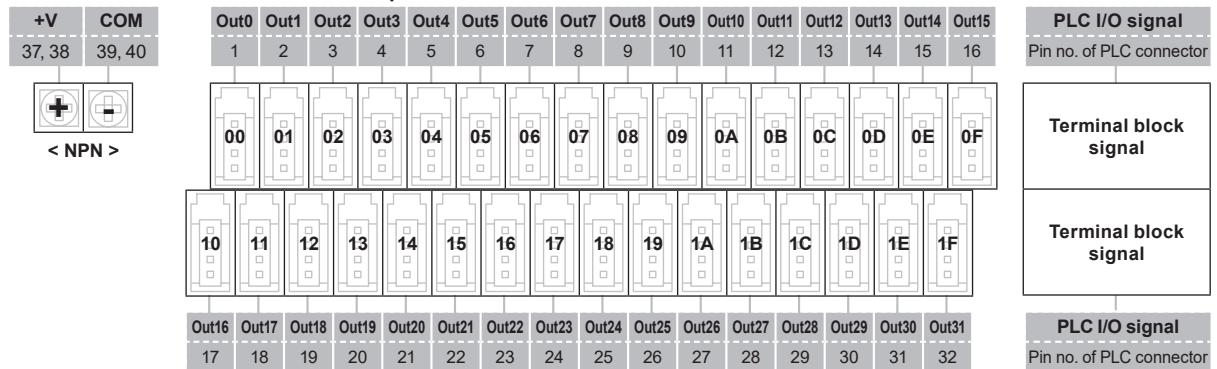
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input



-Sensor connector terminal block output



- Interface Terminal Blocks
- Common Terminal Blocks
- Sensor Connector Terminal Blocks
- Relay Terminal Blocks
- I/O Cables
- Connector Type Cables
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- YOKOGAWA
- FUJII
- CIMON
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- SERVO
- Selection Guide

◎ YOKOGAWA) FA-M3V Series - Interface/Relay terminal block

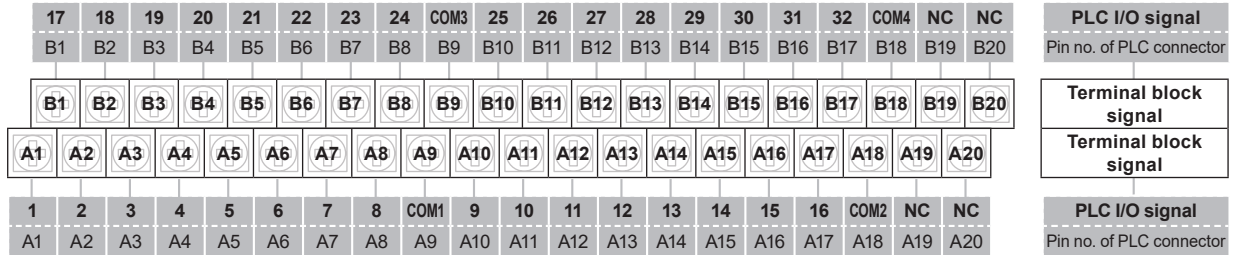
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
F3XD32-3F, F3XD32-4F, F3XD32-5F	Input	32	-	Interface terminal block	CH40-FP□-1R	1
F3XD64-3F, F3XD64-4F	Input	64	-	Interface terminal block	CH40-FP□-1R	2
F3YD32-1H, F3YD32-1P	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1
F3YD32-1H, F3YD32-1P	Output	32	NPN	Relay terminal block	CH40-FP□-I4M1R	1
F3YD64-1P	Output	64	NPN	Interface terminal block	CH40-FP□-1R	2
	Output	64	NPN	Relay terminal block	CH40-FP□-I4M1R	2
F3YD32-1R	Output	32	PNP	Interface terminal block	CH40-FP□-1R	1
	Output	32	PNP	Relay terminal block	CH40-FP□-I4M1R	1
F3YD64-1R	Output	64	PNP	Interface terminal block	CH40-FP□-1R	2
	Output	64	PNP	Relay terminal block	CH40-FP□-I4M1R	2
F3WD64-3P, F3WD64-4P	Input	32	-	Interface terminal block	CH40-FP□-1R	1
	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1
	Output	32	NPN	Relay terminal block	CH40-FP□-I4M1R	1

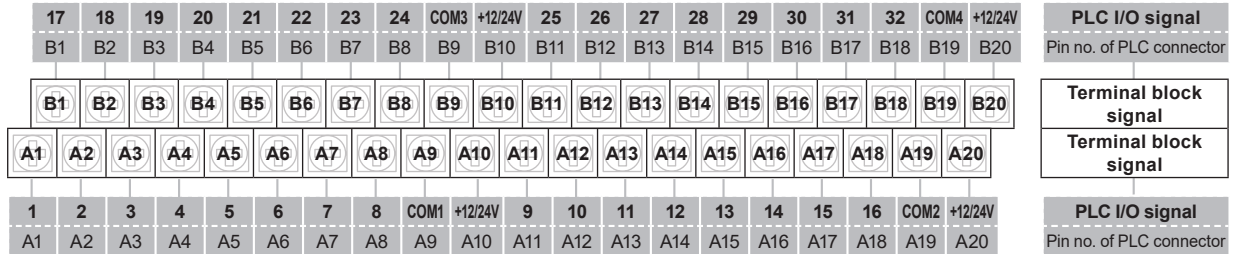
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

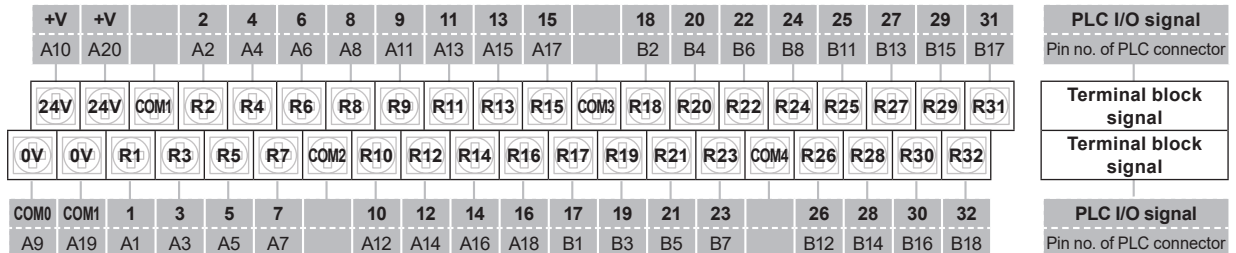
- Interface terminal block input



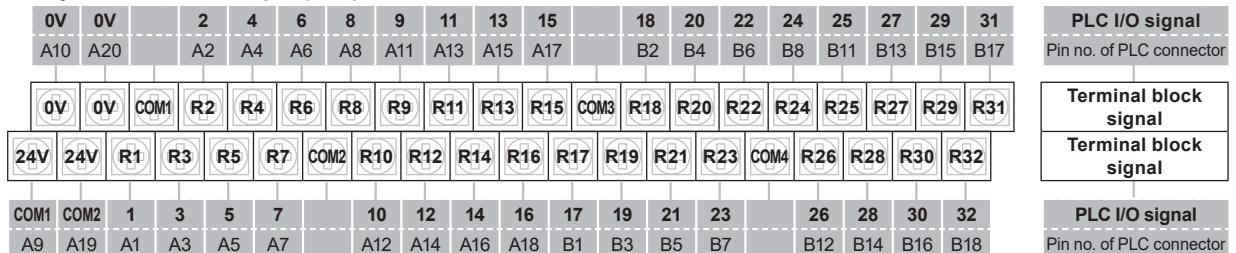
- Interface terminal block output



-Relay terminal block output (NPN)



-Relay terminal block output (PNP)



◎ YOKOGAWA) FA-M3V Series - Sensor connector terminal block

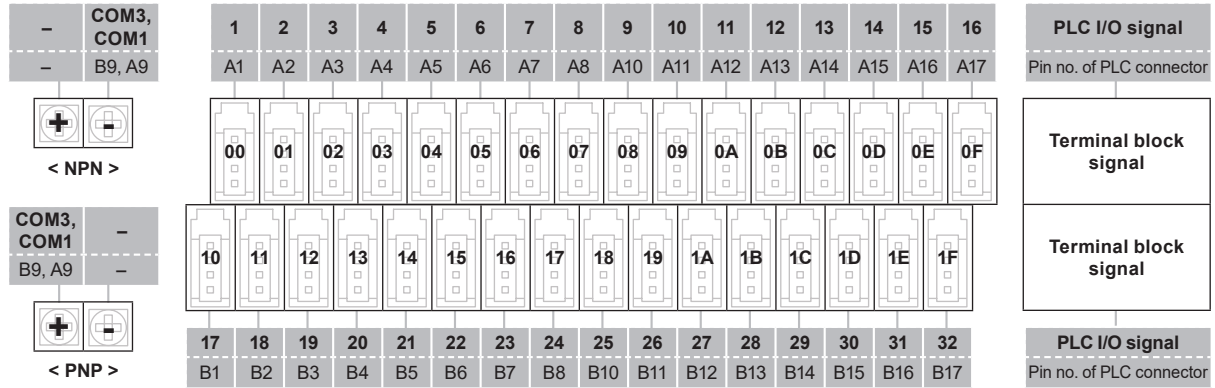
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
F3XD32-3F, F3XD32-4F, F3XD32-5F	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	1	
				Sensor connector terminal block	PNP	CH40-FP□-W4T5R	1	
F3XD64-3F, F3XD64-4F	Input	64	-	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	2	
				Sensor connector terminal block	PNP	CH40-FP□-W4T5R	2	
F3YD32-1H, F3YD32-1P	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-I4M1R	1	
F3YD64-1P	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-I4M1R	2	
F3YD32-1R	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-I4M4R	1	
F3YD64-1R	Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-I4M4R	2	
F3WD64-3P, F3WD64-4P	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	1	
				Sensor connector terminal block	PNP	CH40-FP□-W4T5R	1	
	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-I4M1R	1	

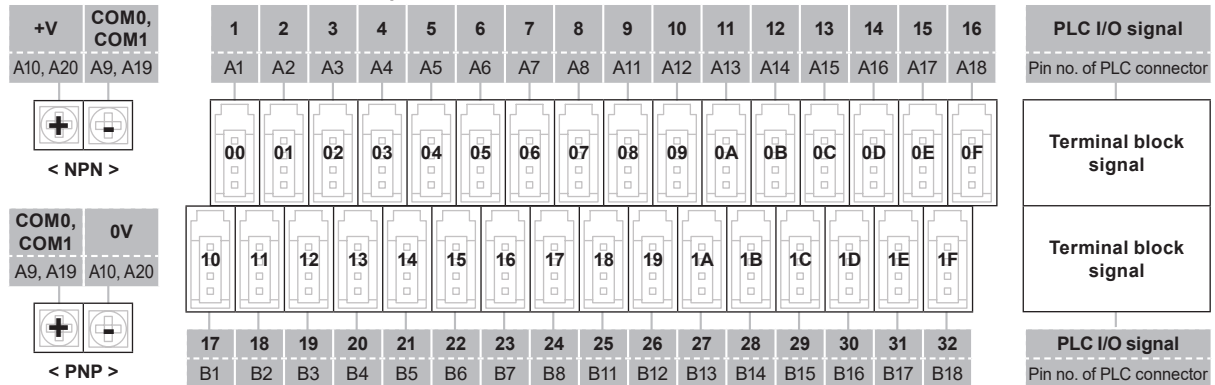
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

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OMRON

RS Automation

YOKOGAWA

FUJII

CIMON

Autonics

SERVO

Selection Guide

◎ FUJI) MICREX-SX Series - Interface/Relay terminal block

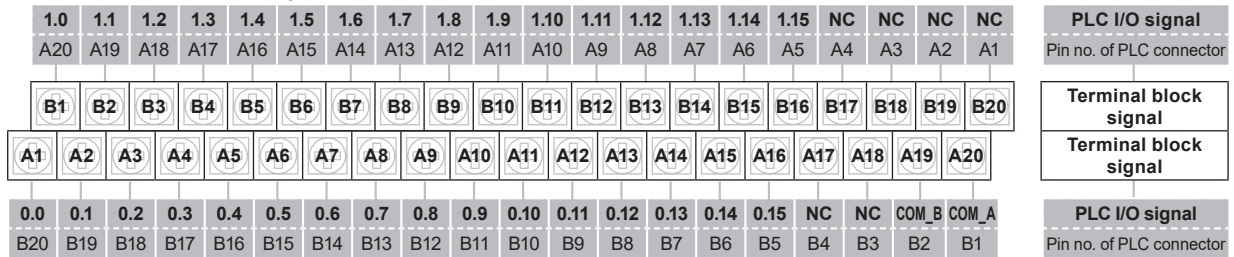
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
NP1X3206-W, NP1X3202-W	Input	32	-	Interface terminal block	CH40-FP□-4R	1
NP1Y32T09P1	Output	32	NPN	Interface terminal block	CH40-FP□-4R	1
	Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1
NP1Y64T09P1	Output	64	NPN	Interface terminal block	CH40-FP□-4R	1
	Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2
NP1Y32U09P1	Output	32	PNP	Interface terminal block	CH40-FP□-4R	1
	Output	32	PNP	Relay terminal block	CH40-FP□-E1T4R	1
NP1Y64U09P1	Output	64	PNP	Interface terminal block	CH40-FP□-4R	1
	Output	64	PNP	Relay terminal block	CH40-FP□-E1T4R	2
NP1W6406T	Input	32	-	Interface terminal block	CH40-FP□-4R	1
	Output	32	NPN	Interface terminal block	CH40-FP□-4R	1
	Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1
NP1W6406U	Input	32	-	Interface terminal block	CH40-FP□-4R	1
	Output	32	PNP	Interface terminal block	CH40-FP□-4R	1
	Output	32	PNP	Relay terminal block	CH40-FP□-E1T4R	1

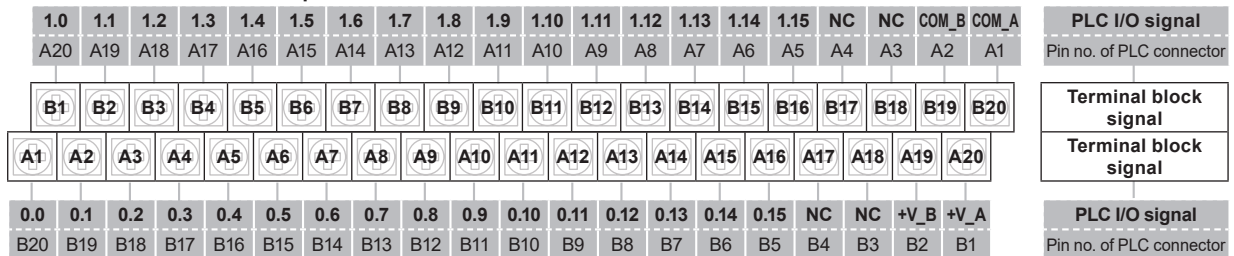
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "□ Ordering Information".

● Cable connection diagram

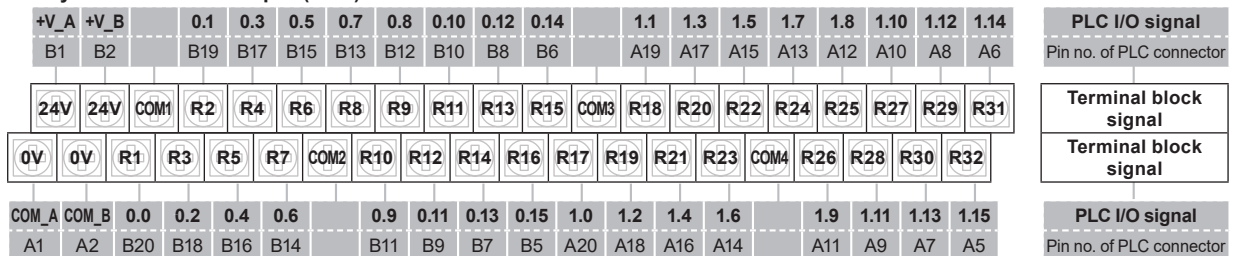
- Interface terminal block input



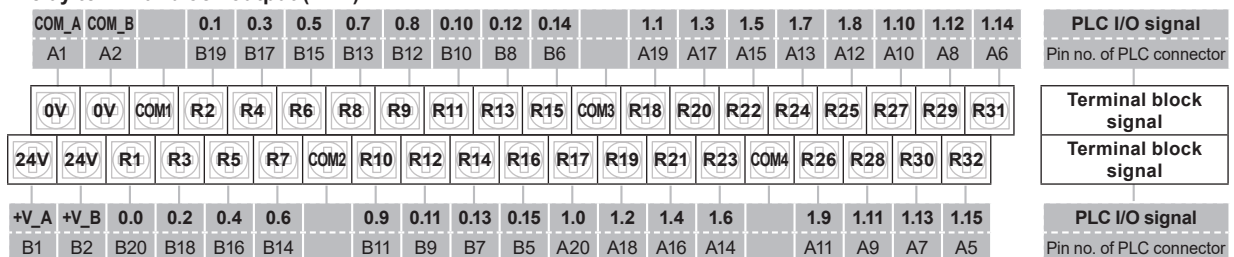
- Interface terminal block output



-Relay terminal block output (NPN)



-Relay terminal block output (PNP)



◎ FUJI) MICREX-SX Series - Sensor connector terminal block

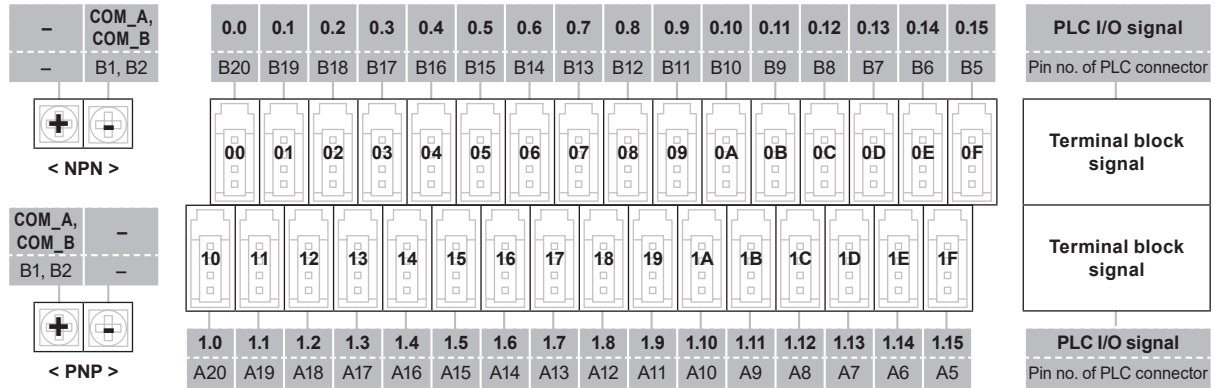
● Cable selection guide

Controller		Terminal block to connect				Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity
NP1X3206-W, NP1X3202-W	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1
			PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1
NP1Y32T09P1	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1
NP1Y64T09P1	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2
NP1Y32U09P1	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	1
NP1Y64U09P1	Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2
NP1W6406T	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1
	Output	32	NPN	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1
NP1W6406U	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1
	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	1

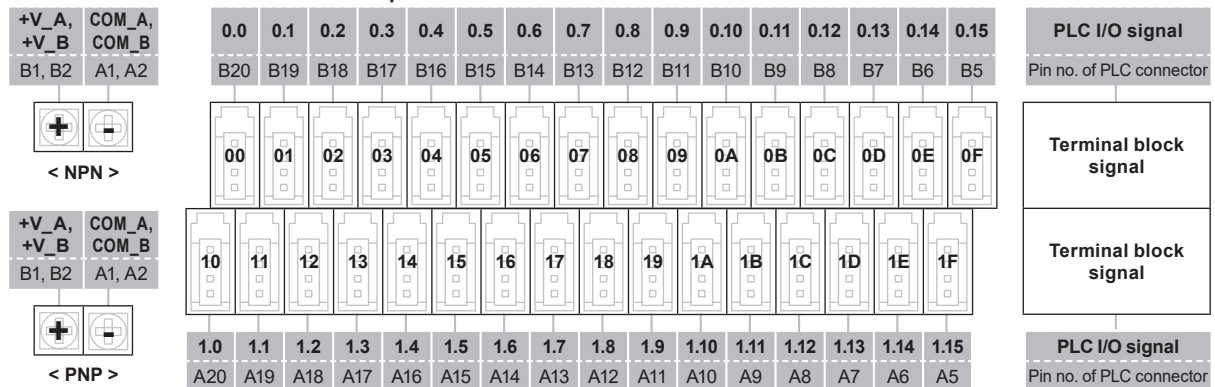
※□ in proper cable model name stands for the cable length. Please refer to the cable length in '■ Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

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mitsubishi

OMRON

RS Automation

YOKOGAWA

FUJI

CIMON

Autonics

SERVO

Selection Guide

CH Series

◎ CIMON) CM1 Series - Interface/Relay terminal block

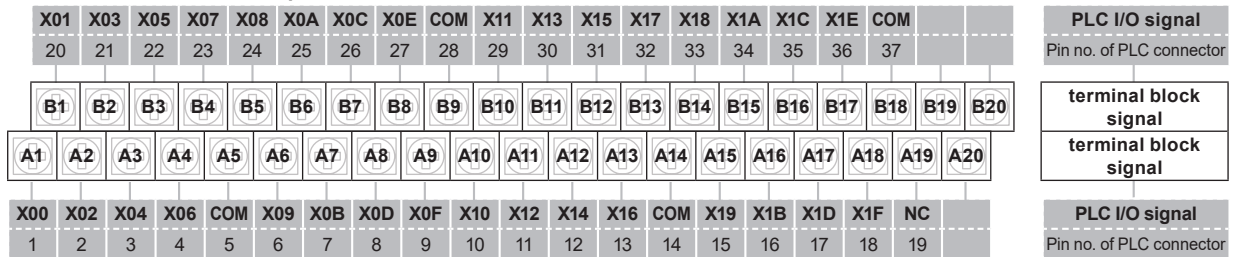
● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
XD32E, XD32F	Input	32	-	Interface terminal block	CH37-DS□-4R	1
	Output	32	NPN	Interface terminal block	CH37-DS□-4R	1
YT32E	Output	32	NPN	Relay terminal block	CH37-DS□-F5T1R	1
	Output	32	PNP	Interface terminal block	CH37-DS□-4R	1
YT32F	Output	32	PNP	Relay terminal block	CH37-DS□-F5T4R	1

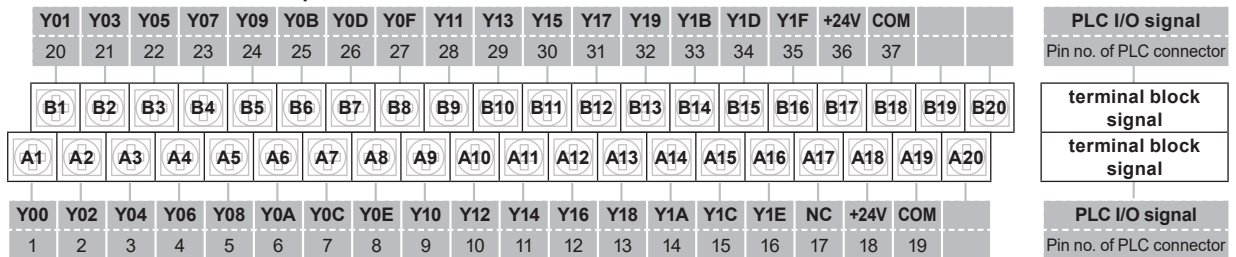
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

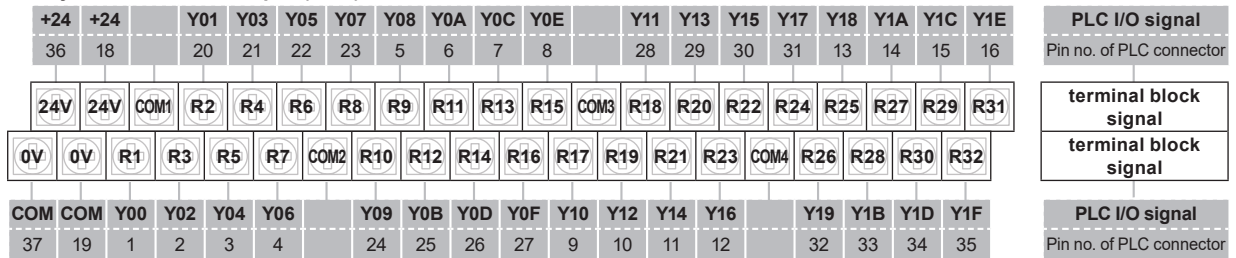
- Interface terminal block input



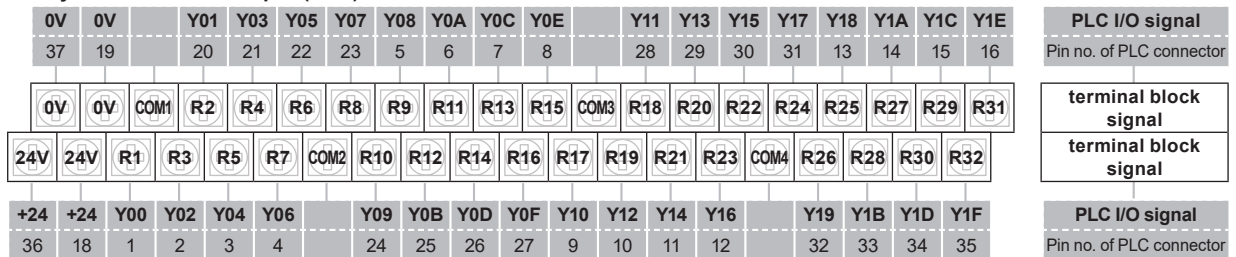
- Interface terminal block output



-Relay terminal block output (NPN)



-Relay terminal block output (PNP)



◎ CIMON) CM1 Series - Interface/Relay terminal block

● Cable selection guide

Controller				Terminal block to connect	Proper cable	
Module name	I/O	No. of I/O	Logic		Model name	Quantity
XD64E	Input	64	-	Interface terminal block	CH40-FP□-1R	2
YT64E	Output	64	NPN	Interface terminal block	CH40-FP□-1R	2
	Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2

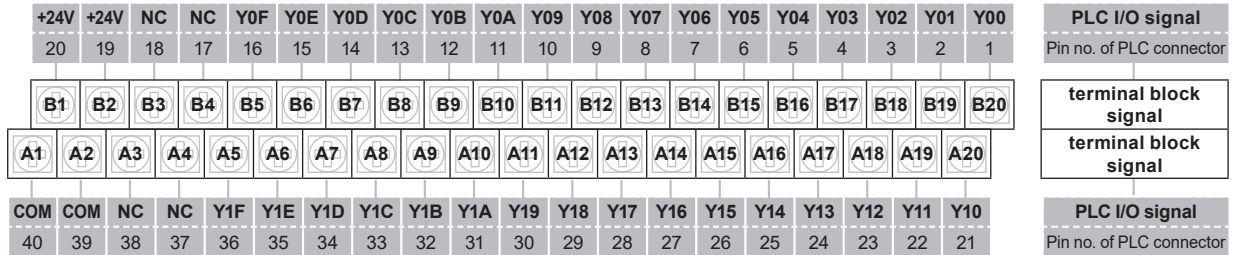
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

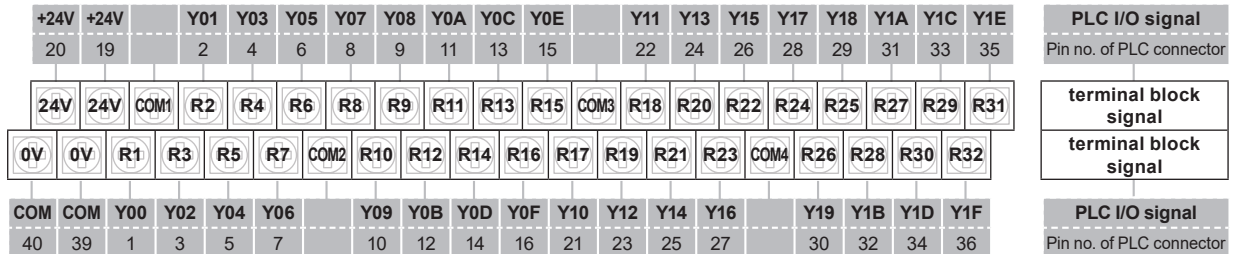
- Interface terminal block input



- Interface terminal block output



- Relay terminal block output (NPN)



- I/O Terminal Blocks
- Interface Terminal Blocks
- Common Terminal Blocks
- Sensor Connector Terminal Blocks
- Relay Terminal Blocks
- I/O Cables
- Connector Type Cables
- Open Type Cables
- Old/New Model Replacement Table
- Remote I/O
- Others

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- mitsubishi
- OMRON
- RS Automation
- YOKOGAWA
- FUJI
- CIMON
- Autonics
- SERVO
- Selection Guide

CH Series

◎ CIMON) CM1 Series - Sensor connector terminal block

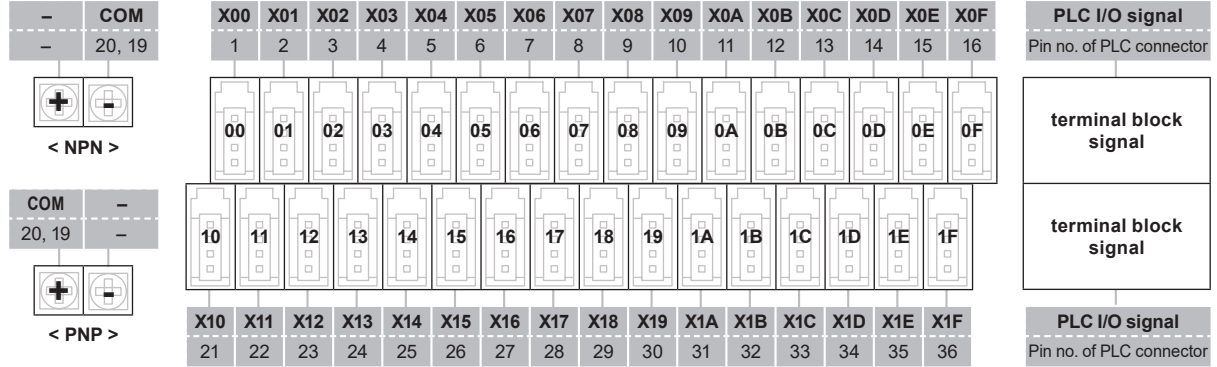
● Cable selection guide

Controller				Terminal block to connect			Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity	
XD64E	Input	64	-	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2	
				Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2	
YT64E	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2	

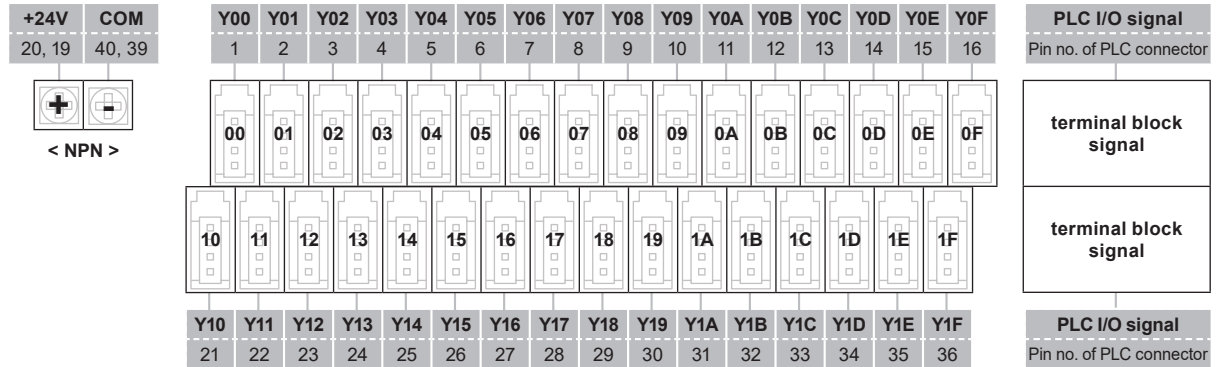
※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Cable connection diagram

- Sensor connector terminal block input



-Sensor connector terminal block output



◎ Autonics) LP Series - Interface/Relay terminal block

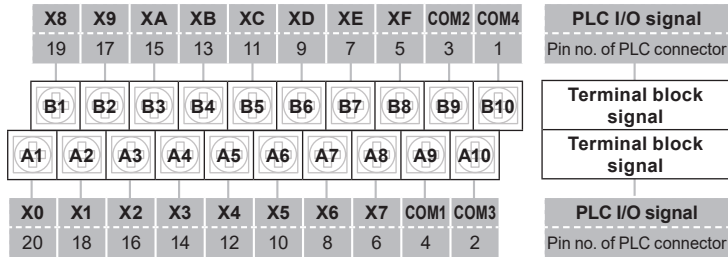
● Cable selection guide

Controller				Proper cable		
Module name	I/O	No. of I/O	Logic	Terminal block to connect	Model name	Quantity
LP-S044-S1D0(1)-C5R	Input	16	-	Interface terminal block	CH20-HP□-4R	1
	Output	16	NPN	Interface terminal block	CH20-HP□-4R	1
	Output	16	NPN	Relay terminal block	CH20-HP□-C1T1R	1
LP-S070-T9D6(7)-C5R	Input	16	-	Interface terminal block	CH20-HP□-4R	1
	Output	16	NPN	Interface terminal block	CH20-HP□-4R	1
	Output	16	NPN	Relay terminal block	CH20-HP□-C1T1R	1
LP-A070-T9D6(7)-C5R	Input	16	-	Interface terminal block	CH20-HP□-4R	1
	Output	16	NPN	Interface terminal block	CH20-HP□-4R	1
	Output	16	NPN	Relay terminal block	CH20-HP□-C1T1R	1
LP-A104-T9D8(9)-C6R	Input	32	-	Interface terminal block	CH20-HP□-4R	2
	Output	32	NPN	Interface terminal block	CH20-HP□-4R	2
	Output	32	NPN	Relay terminal block	CH20-HP□-C1T1R	2

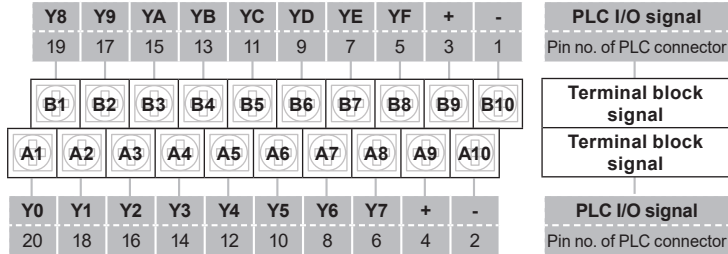
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

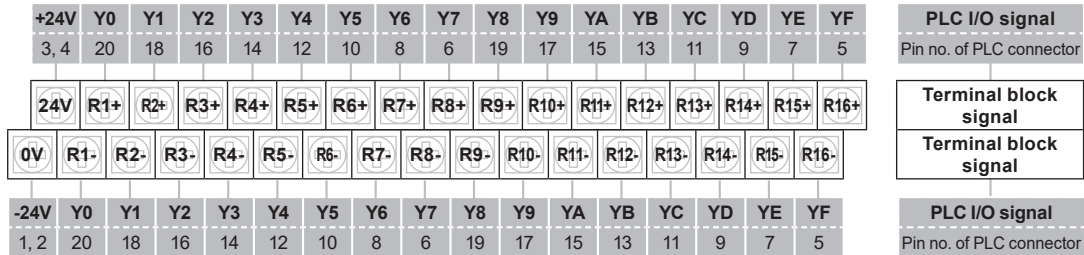
- Interface terminal block input



- Interface terminal block output



- Relay terminal block output (NPN)



I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

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mitsubishi

OMRON

RS Automation

YOKOGAWA

FUJI

CIMON

Autonics

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◎ Autonics) LP Series - Sensor connector terminal block

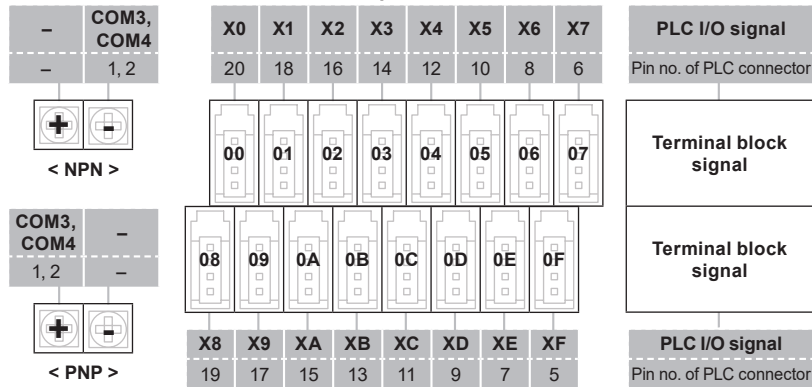
● Cable selection guide

Controller				Terminal block to connect		Proper cable	
Module name	I/O	No. of I/O	Logic	Type	Logic	Model name	Quantity
LP-S044-S1D0(1)-C5R	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	1
	Output		PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	1
LP-S070-T9D6(7)-C5R	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	1
	Output		PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	1
LP-A070-T9D6(7)-C5R	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	1
	Output		PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	1
LP-A104-T9D8(9)-C6R	Input	32	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	2
	Output		PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	2
	Output	32	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T1R	2

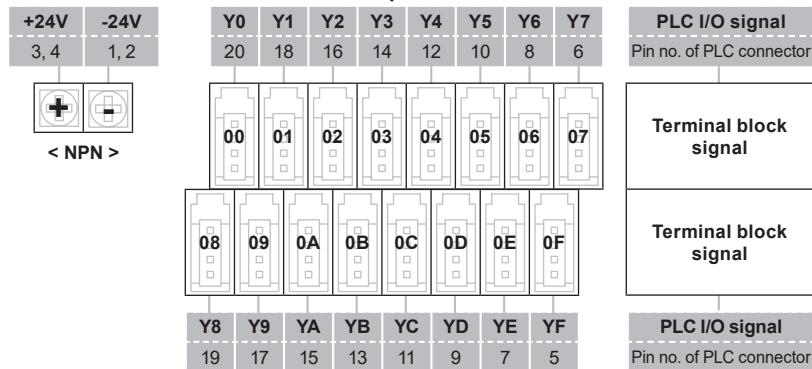
※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram

- Sensor connector terminal block input



- Sensor connector terminal block output



Connector Type I/O Cable

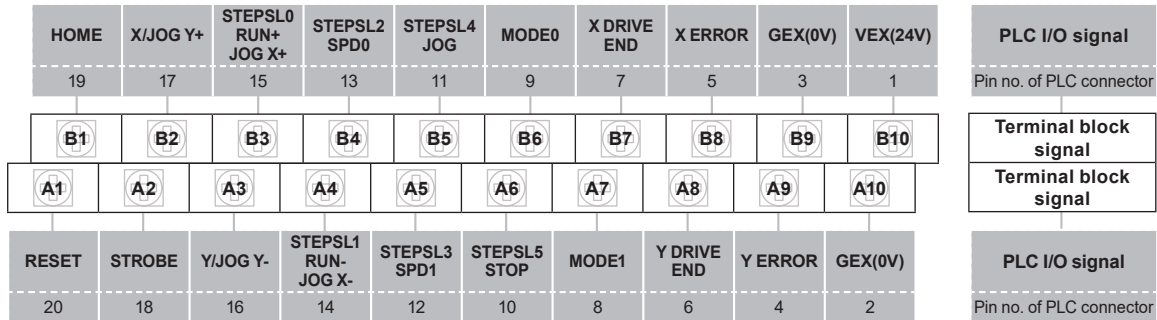
◎ Autonics) PMC Series - Interface terminal block

● Cable selection guide

Controller			Terminal block to connect	Proper cable	
Module name	No. of I/O	Logic		Model name	Quantity
PMC-1HS(PI/F side), PMC-2HS(PI/F side)	20	-	Interface terminal block	CH20-HP□-1R	1
PMC-2HSP(PI/F side), PMC-2HSN(PI/F side)	20	-	Interface terminal block	CH20-HP□-1R	1

※□ in proper cable model name stands for the cable length. Please refer to the cable length in "Ordering Information".

● Cable connection diagram



I/O Terminal Blocks

Interface
Terminal Blocks

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Sensor Connector
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OMRON

RS Automation

YOKOGAWA

FUJII

CIMON

Autonics

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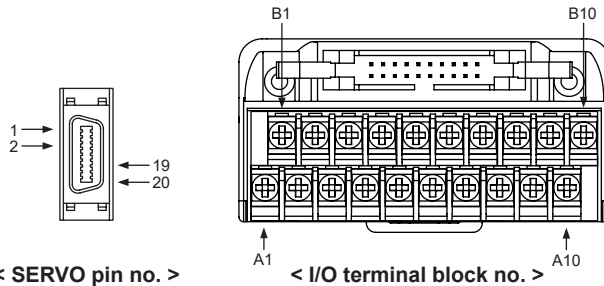
◎ SERVO) 20-pin connector - Interface terminal block

● Cable selection guide

Controller			Connector	Terminal block to connect	Proper cable	
Manufacturer	Series	Module name			Model name	Quantity
MITSUBISHI	J4	MR-J4-B(-RJ)	CN3	Interface terminal block	CH20-MP□-8R	1
	J3	MR-J3-B(-□)	CN3	Interface terminal block	CH20-MP□-8R	1
		MR-J3-T	CN20	Interface terminal block	CH20-MP□-8R	1
		MR-J3-D01	CN20	Interface terminal block	CH20-MP□-8R	1

※□ in proper cable model name stands for the cable length. Please refer to the cable length in '■Ordering Information'.

● Pin number/terminal block number matching



< SERVO pin no. >

< I/O terminal block no. >

SERVO pin no.		I/O terminal block no.
1	↔	A1
2	↔	B1
3	↔	A2
4	↔	B2
5	↔	A3
6	↔	B3
7	↔	A4
8	↔	B4
9	↔	A5
10	↔	B5
11	↔	A6
12	↔	B6
13	↔	A7
14	↔	B7
15	↔	A8
16	↔	B8
17	↔	A9
18	↔	B9
19	↔	A10
20	↔	B10

※When connecting SERVO dedicated cable and Interface terminal block, SERVO connector pin number and terminal block number are matched one by one.

※For detailed information about control signal of each SERVO connector pin, please refer to the manual from the manufacturer of the SERVO.

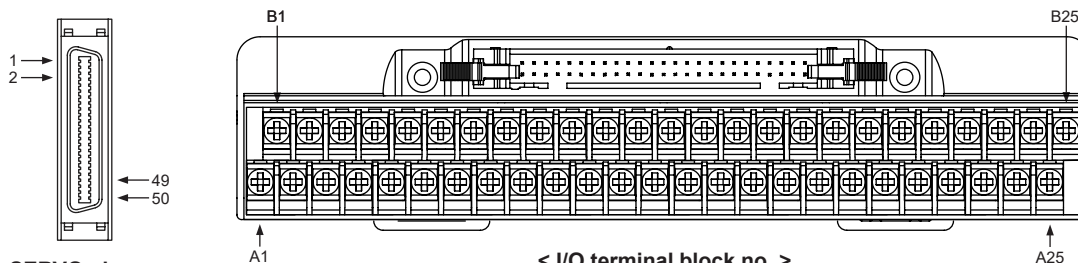
◎ SERVO) 50-pin connector - Interface terminal block

● Cable selection guide

Controller		Module name	Connector	Terminal block to connect	Proper cable	
Manufacturer	Series				Model name	Quantity
MITSUBISHI	J4	MR-J4-□A(-RJ)	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		MR-J4-03A6(-RJ)	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
	J3	MR-J3-A	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		MR-J3-T	CM10	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		MR-J3-D01	CN10	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
YASKAWA	Σ-7	SGD7S-□□□□00A	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
	Σ-5	SGDV	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
Panasonic	A6	A6SE	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		A6SG	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		A6SF	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
	A5	MINAS A5	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		MINAS A5 II	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1

※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

● Pin number/terminal block number matching



< SERVO pin no. >

< I/O terminal block no. >

SERVO pin no.	I/O terminal block no.	SERVO pin no.	I/O terminal block no.
1	A1	26	B13
2	B1	27	A14
3	A2	28	B14
4	B2	29	A15
5	A3	30	B15
6	B3	31	A16
7	A4	32	B16
8	B4	33	A17
9	A5	34	B17
10	B5	35	A18
11	A6	36	B18
12	B6	37	A19
13	A7	38	B19
14	B7	39	A20
15	A8	40	B20
16	B8	41	A21
17	A9	42	B21
18	B9	43	A22
19	A10	44	B22
20	B10	45	A23
21	A11	46	B23
22	B11	47	A24
23	A12	48	B24
24	B12	49	A25
25	A13	50	B25

※When connecting SERVO dedicated cable and Interface terminal block, SERVO connector pin number and terminal block number are matched one by one.

※For detailed information about control signal of each SERVO connector pin, please refer to the manual from the manufacturer of the SERVO.

CH Series

■ Cable Selection Guide

◎ Interface/Relay terminal block

Controller						Terminal block to connect	Proper cable		
Manufacturer	Series	Module name	Input/Output	No. of I/O	Logic		Model name	Quantity	
LS	XGT	XGI-D24A	Input	32		Interface terminal block	CH40-FP□-1R	1	
		XGI-D24B	Input	32	-	Interface terminal block	CH40-FP□-1R	1	
		XGI-D28A	Input	64	-	Interface terminal block	CH40-FP□-1R	2	
		XGI-D28B	Input	64	-	Interface terminal block	CH40-FP□-1R	2	
		XGQ-TR4A	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
			Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	
		XGQ-TR4B	Output	32	PNP	Interface terminal block	CH40-FP□-1R	1	
			Output	32	PNP	Relay terminal block	CH40-FP□-E1T4R	1	
		XGQ-TR8A	Output	64	NPN	Interface terminal block	CH40-FP□-1R	2	
			Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2	
		XGQ-TR8B	Output	64	PNP	Interface terminal block	CH40-FP□-1R	2	
			Output	64	PNP	Relay terminal block	CH40-FP□-E1T4R	2	
		XGB	XBM-DN32H	Input/Output	32	-	Interface terminal block	CH40-HP□-8L	1
				Input	8	-	Interface terminal block	CH20-HP□-1R	1
	XBM-DN16S		Output	8	NPN	Interface terminal block	CH20-HP□-1L	1	
			Output	8	NPN	Relay terminal block	CH20-HP□-D1T1L	1	
	XBM-DN32S		Input	16	-	Interface terminal block	CH20-HP□-1R	1	
			Output	16	NPN	Interface terminal block	CH20-HP□-1L	1	
	XBE-DN32A		Output	16	NPN	Relay terminal block	CH20-HP□-D1T1L	1	
			Input/Output	32	-	Interface terminal block	CH40-HP□-8L	1	
	XBE-DC32A		Input	32	-	Interface terminal block	CH40-HP□-8L	1	
			Output	32	NPN	Interface terminal block	CH40-HP□-8L	1	
	XBE-TN32A		Output	32	NPN	Relay terminal block	CH40-HP□-E1T1L	1	
			Output	32	PNP	Interface terminal block	CH40-HP□-8L	1	
	XBE-TP32A		Output	32	PNP	Relay terminal block	CH40-HP□-E1T4L	1	
			Output	32	PNP	Relay terminal block	CH40-HP□-E1T4R	1	
	MITSUBISHI	iQ-R	RX41C4, RX41C6HS	Input	32	-	Interface terminal block	CH40-FP□-1R	1
			RY41NT2P, RY41NT2H	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1
Output				32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	
RY41PT1P, RY41PT2H			Output	32	PNP	Interface terminal block	CH40-FP□-1R	1	
			Output	32	PNP	Relay terminal block	CH40-FP□-E1T4R	1	
RX42C4			Input	64	-	Interface terminal block	CH40-FP□-1R	2	
			Output	64	NPN	Interface terminal block	CH40-FP□-1R	2	
RY42NT2P			Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2	
			Output	64	NPN	Relay terminal block	CH40-FP□-E1T4R	2	
RY42PT1P			Output	64	PNP	Interface terminal block	CH40-FP□-1R	2	
			Output	64	PNP	Relay terminal block	CH40-FP□-E1T4R	2	
RH42C4NT2P			Input	32	-	Interface terminal block	CH40-FP□-1R	1	
			Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
Output			32	NPN	Relay terminal block	CH40-FP□-E1T1R	1		
		QnU	QX41, QX42-S1/S2	Input	32	-	Interface terminal block	CH40-FP□-1R	1
Input				32	-	Interface terminal block	CH40-FP□-1R	1	
QH42P, QX41Y41P			Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
			Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	
QX42, QX42-S1			Input	64	-	Interface terminal block	CH40-FP□-1R	2	
			Input	64	-	Interface terminal block	CH40-FP□-1R	2	
QY41P			Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
			Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1	
QY42P			Output	64	NPN	Interface terminal block	CH40-FP□-1R	2	
			Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2	
QY82P			Output	64	PNP	Interface terminal block	CH40-FP□-1R	2	
			Output	64	PNP	Relay terminal block	CH40-FP□-E1T4R	2	
QX81, QX81-S2			Input	32	-	Interface terminal block	CH37-DP□-3R	1	
			Output	32	PNP	Interface terminal block	CH37-DP□-3R	1	
Output	32	PNP	Relay terminal block	CH37-DP□-B6T1R	1				

※□ in proper cable model name stands for the cable length. Please refer to the cable length in '■ Ordering Information'.

Connector Type I/O Cable

I/O Terminal Blocks

Interface Terminal Blocks
Common Terminal Blocks
Sensor Connector Terminal Blocks
Relay Terminal Blocks

I/O Cables

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Controller						Terminal block to connect	Proper cable		
Manufacturer	Series	Module name	Input/Output	No. of I/O	Logic		Model name	Quantity	
OMRON	CJ/NJ	CJ1W-ID232, CJ1W-ID233	Input	32	-	Interface terminal block	CH40-HP□-4L	1	
		CJ1W-ID262	Input1	32	-	Interface terminal block	CH40-HP□-1R	1	
			Input2	32	-	Interface terminal block	CH40-HP□-4L	1	
		CJ1W-OD233, CJ1W-OD234	Output	32	NPN	Interface terminal block	CH40-HP□-4L	1	
			Output	32	NPN	Relay terminal block	CH40-HP□-ICM1L	1	
		CJ1W-OD263	Output1	32	NPN	Interface terminal block	CH40-HP□-1R	1	
			Output2	32	NPN	Interface terminal block	CH40-HP□-4L	1	
			Output1	32	NPN	Relay terminal block	CH40-HP□-L9M4R	1	
				32	NPN	Relay terminal block	CH40-HP□-ICM1L	1	
		CJ1W-OD232	Output	32	PNP	Interface terminal block	CH40-HP□-4L	1	
			Output	32	PNP	Relay terminal block	CH40-HP□-ICM4L	1	
		CJ1W-OD262	Output1	32	PNP	Interface terminal block	CH40-HP□-1R	1	
			Output2	32	PNP	Interface terminal block	CH40-HP□-4L	1	
			Output1	32	PNP	Relay terminal block	CH40-HP□-L9M1R	1	
				32	PNP	Relay terminal block	CH40-HP□-ICM4L	1	
		CJ1W-MD263	Input	32	-	Interface terminal block	CH40-HP□-4L	1	
			Output	32	NPN	Interface terminal block	CH40-HP□-1R	1	
			Output	32	NPN	Relay terminal block	CH40-HP□-L9M1R	1	
		CJ1W-MD233	Input	16	-	Interface terminal block	CH20-HP□-4L	1	
			Output	16	NPN	Interface terminal block	CH20-HP□-1R	1	
				16	NPN	Relay terminal block	CH20-HP□-C1T4R	1	
		CJ1W-MD232	Input	16	-	Interface terminal block	CH20-HP□-4L	1	
			Output	16	PNP	Interface terminal block	CH20-HP□-1R	1	
				16	PNP	Relay terminal block	CH20-HP□-C1T4R	1	
		CJ1W-ID231	Input	32	-	Interface terminal block	CH40-FP□-4L	1	
			Input1	32	-	Interface terminal block	CH40-FP□-1R	1	
		CJ1W-ID261	Input2	32	-	Interface terminal block	CH40-FP□-4L	1	
			Output	32	NPN	Interface terminal block	CH40-FP□-4L	1	
		CJ1W-OD231	Output	32	NPN	Relay terminal block	CH40-FP□-L1T4L	1	
			Output1	32	NPN	Interface terminal block	CH40-FP□-1R	1	
		CJ1W-OD261	Output2	32	NPN	Interface terminal block	CH40-FP□-4L	1	
				32	NPN	Relay terminal block	CH40-FP□-I4T1R	1	
			Output1	32	NPN	Relay terminal block	CH40-FP□-L1T4L	1	
				32	NPN	Relay terminal block	CH40-FP□-L1T4L	1	
		CJ1W-MD261	Input	32	-	Interface terminal block	CH40-FP□-4L	1	
			Output	32	NPN	Interface terminal block	CH40-FP□-1R	1	
			Output	32	NPN	Relay terminal block	CH40-FP□-I4T1R	1	
		NX	NX-ID6142-5	Input	32	-	Interface terminal block	CH40-HP□-4L	1
				Output	32	NPN	Interface terminal block	CH40-HP□-4L	1
			NX-OD6121-5	Output	32	NPN	Relay terminal block	CH40-HP□-ICM1L	1
				Output	32	NPN	Relay terminal block	CH40-HP□-ICM1L	1
			NX-OD6256-5	Output	32	PNP	Interface terminal block	CH40-HP□-4L	1
				Output	32	PNP	Relay terminal block	CH40-HP□-ICM4L	1
			NX-ID5142-5	Input	16	-	Interface terminal block	CH20-HP□-4L	1
				Output	16	NPN	Interface terminal block	CH20-HP□-4L	1
			NX-OD5121-5	Output	16	NPN	Relay terminal block	CH20-HP□-A4T1L	1
				Output	16	NPN	Relay terminal block	CH20-HP□-A4T1L	1
			NX-OD5256-5	Output	16	PNP	Interface terminal block	CH20-HP□-4L	1
Output	16			PNP	Relay terminal block	CH20-HP□-A4T4L	1		
NX-MD6121-5	Input		16	-	Interface terminal block	CH20-HP□-4L	1		
	Output		16	NPN	Interface terminal block	CH20-HP□-1R	1		
NX-MD6256-5	Output		16	NPN	Relay terminal block	CH20-HP□-C1T4R	1		
			16	NPN	Relay terminal block	CH20-HP□-C1T4R	1		
	Output		16	PNP	Interface terminal block	CH20-HP□-1R	1		
NX-ID6142-6	Input		32	-	Interface terminal block	CH40-FP□-4L	1		
			32	-	Interface terminal block	CH40-FP□-4L	1		
	Output		32	NPN	Interface terminal block	CH40-FP□-4L	1		
NX-OD6121-6	Output	32	NPN	Interface terminal block	CH40-FP□-4L	1			
	Output	32	NPN	Relay terminal block	CH40-FP□-L1T4L	1			
RS Automation	X8	X8-XU32, X8-XU32SA	Input	32	-	Interface terminal block	CH40-HP□-4L	1	
		X8-YN32, X8-YN32S	Output	32	NPN	Interface terminal block	CH40-HP□-4L	1	
			Output	32	NPN	Relay terminal block	CH40-HP□-F5T1L	1	

※□ in proper cable model name stands for the cable length. Please refer to the cable length in '□ Ordering Information'.

CH Series

Controller						Terminal block	Proper cable	
Manufacturer	Series	Module name	Input/Output	No. of I/O	Logic	to connect	Model name	Quantity
YOKOGAWA	FA-M3V	F3XD32-3F, F3XD32-4F, F3XD32-5F	Input	32	-	Interface terminal block	CH40-FP□-1R	1
		F3XD64-3F, F3XD64-4F	Input	64	-	Interface terminal block	CH40-FP□-1R	2
		F3YD32-1H, F3YD32-1P	Output	32	NPN	Interface terminal block	CH40-FP□-1R	1
		F3YD32-1H, F3YD32-1P	Output	32	NPN	Relay terminal block	CH40-FP□-I4M1R	1
		F3YD64-1P	Output	64	NPN	Interface terminal block	CH40-FP□-1R	2
			Output	64	NPN	Relay terminal block	CH40-FP□-I4M1R	2
		F3YD32-1R	Output	32	PNP	Interface terminal block	CH40-FP□-1R	1
			Output	32	PNP	Relay terminal block	CH40-FP□-I4M1R	1
		F3YD64-1R	Output	64	PNP	Interface terminal block	CH40-FP□-1R	2
			Output	64	PNP	Relay terminal block	CH40-FP□-I4M1R	2
		F3WD64-3P, F3WD64-4P	Input	32	-	Interface terminal block	CH40-FP□-1R	1
			Output	32	NPN	Interface terminal block	CH40-FP□-1R	1
		Output	32	NPN	Relay terminal block	CH40-FP□-I4M1R	1	
FUJI	MICREX-SX	NP1X3206-W, NP1X3202-W	Input	32	-	Interface terminal block	CH40-FP□-4R	1
		NP1Y32T09P1	Output	32	NPN	Interface terminal block	CH40-FP□-4R	1
			Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1
			Output	64	NPN	Interface terminal block	CH40-FP□-4R	1
		NP1Y64T09P1	Output	64	NPN	Relay terminal block	CH40-FP□-E1T1R	2
			Output	32	PNP	Interface terminal block	CH40-FP□-4R	1
		NP1Y32U09P1	Output	32	PNP	Relay terminal block	CH40-FP□-E1T4R	1
			Output	64	PNP	Interface terminal block	CH40-FP□-4R	1
		NP1Y64U09P1	Output	64	PNP	Relay terminal block	CH40-FP□-E1T4R	2
			Input	32	-	Interface terminal block	CH40-FP□-4R	1
		NP1W6406T	Output	32	NPN	Interface terminal block	CH40-FP□-4R	1
			Output	32	NPN	Relay terminal block	CH40-FP□-E1T1R	1
Input	32		-	Interface terminal block	CH40-FP□-4R	1		
NP1W6406U	Output	32	PNP	Interface terminal block	CH40-FP□-4R	1		
	Output	32	PNP	Relay terminal block	CH40-FP□-E1T4R	1		
CIMON	CM1	XD32E, XD32F	Input	32	-	Interface terminal block	CH37-DS□-4R	1
		YT32E	Output	32	NPN	Interface terminal block	CH37-DS□-4R	1
			Output	32	NPN	Relay terminal block	CH37-DS□-F5T1R	1
		YT32F	Output	32	PNP	Interface terminal block	CH37-DS□-4R	1
			Output	32	PNP	Relay terminal block	CH37-DS□-F5T4R	1
		XD64E	Input	64	-	Interface terminal block	CH40-FP□-1R	2
		YT64E	Output	64	NPN	Interface terminal block	CH40-FP□-1R	2
Output	64		NPN	Relay terminal block	CH40-FP□-E1T1R	2		
Autonics	LP	LP-S044-S1D0(1)-C5R	Input	16	-	Interface terminal block	CH20-HP□-4R	1
			Output	16	NPN	Interface terminal block	CH20-HP□-4R	1
			Output	16	NPN	Relay terminal block	CH20-HP□-C1T1R	1
		LP-S070-T9D6(7)-C5R	Input	16	-	Interface terminal block	CH20-HP□-4R	1
			Output	16	NPN	Interface terminal block	CH20-HP□-4R	1
			Output	16	NPN	Relay terminal block	CH20-HP□-C1T1R	1
		LP-A070-T9D6(7)-C5R	Input	16	-	Interface terminal block	CH20-HP□-4R	1
			Output	16	NPN	Interface terminal block	CH20-HP□-4R	1
			Output	16	NPN	Relay terminal block	CH20-HP□-C1T1R	1
		LP-A104-T9D8(9)-C6R	Input	32	-	Interface terminal block	CH20-HP□-4R	2
			Output	32	NPN	Interface terminal block	CH20-HP□-4R	2
			Output	32	NPN	Relay terminal block	CH20-HP□-C1T1R	2
PMC	PMC-1HS(P/I/F side), PMC-2HS(P/I/F side)	Input/Output	20	-	Interface terminal block	CH20-HP□-1R	1	
		PMC-2HSP(P/I/F side), PMC-2HSN(P/I/F side)	Input/Output	20	-	Interface terminal block	CH20-HP□-1R	1

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Connector Type I/O Cable

I/O Terminal Blocks

Interface Terminal Blocks

Common Terminal Blocks

Sensor Connector Terminal Blocks

Relay Terminal Blocks

I/O Cables

Connector Type Cables

Open Type Cables

New/Old Model Replacement Table

Remote I/O

Others

General Features

Connections

Selection Guide

◎ Sensor connector terminal block

Controller						Terminal block to connect		Proper cable	
Manufacturer	Series	Module name	Input/Output	No. of I/O	Logic	Type	Logic	Model name	Quantity
LS	XGT	XGI-D24A	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T2R	1
			Input	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1
		XGI-D24B	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T2R	1
			Input	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1
		XGI-D28A	Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T2R	2
			Input	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2
		XGI-D28B	Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T2R	2
			Input	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2
		XGQ-TR4A	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1
		XGQ-TR4B	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	1
	XGQ-TR8A	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2	
	XGQ-TR8B	Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2	
	XGB	XBM-DN32H	Input/Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-D1T1R	1
		XBE-DN32A	Input/Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-D1T1R	1
			Input	8	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T6R	1
		XBM-DN16S	Input	8	PNP	Sensor connector terminal block	PNP	CH20-HP□-D1T3R	1
			Output	8	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T1L	1
		XBM-DN32S	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T6R	1
			Input	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-D1T3R	1
		XBE-DC32A	Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-D1T1L	1
Input			32	NPN	Sensor connector terminal block	NPN	CH40-HP□-E1T2L	1	
XBE-TN32A		Input	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-E1T3L	1	
	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-E1T1L	1		
XBE-TP32A	Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-E1T1L	1		
MITSUBISHI	iQ-R	RX41C4, RX41C6HS	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1
			Input	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1
		RY41NT2P, RY41NT2H	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1
			Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	1
		RX42C4	Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2
			Input	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2
		RY42NT2P	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2
			Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2
		RY42PT1P	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2
			Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2
	RH42C4NT2P	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1	
		Input	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1	
	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1		
		32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	1		
	QnU	QX41, QX42-S1/S2	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1
			Input	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1
		QH42P, QX41Y41P	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1
			Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1
		QX42, QX42-S1	Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2
			Input	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2
QX82		Input	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2	
		Input	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2	
QY41P		Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1	
QY42P		Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	2	
QY82P	Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2		
QX81, QX81-S2	Input	32	NPN	Sensor connector terminal block	NPN	CH37-DP□-B6T2R	1		
	Input	32	PNP	Sensor connector terminal block	PNP	CH37-DP□-B6T5R	1		
QY81P	Output	32	PNP	Sensor connector terminal block	PNP	CH37-DP□-B6T1R	1		

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CH Series

Controller						Terminal block to connect		Proper cable			
Manufacturer	Series	Module name	Input/Output	No. of I/O	Logic	Type	Logic	Model name	Quantity		
OMRON	CJ/NJ	CJ1W-ID232, CJ1W-ID233	Input	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM2L	1		
			Input	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM3L	1		
		CJ1W-ID262	Input1	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-L9M6R	1		
			Input1	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-L9M3R	1		
			Input2	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM2L	1		
			Input2	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM3L	1		
		CJ1W-OD233, CJ1W-OD234	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-ICM1L	1		
			Output1	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-L9M4R	1		
		CJ1W-OD263	Output2	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-ICM1L	1		
			Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-ICM1L	1		
		CJ1W-OD232	Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-L9M4R	1		
			Output1	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-L9M4R	1		
		CJ1W-OD262	Output2	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-ICM1L	1		
			Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-ICM1L	1		
		CJ1W-MD263	Input	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-HCM2L	1		
			Input	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-HCM3L	1		
			Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-L9M4R	1		
		CJ1W-MD233	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1		
			Output	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1		
			Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T4R	1		
		CJ1W-MD232	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1		
			Output	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1		
			Output	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T1R	1		
		CJ1W-ID231	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-X1T6L	1		
			Input	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-X1T3L	1		
		CJ1W-ID261	Input1	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	1		
			Input1	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-W4T5R	1		
			Input2	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-X1T6L	1		
		CJ1W-OD231	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-X1T3L	1		
			Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-L1T4L	1		
		CJ1W-OD261	Output1	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-H4T1R	1		
			Output2	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-L1T4L	1		
		CJ1W-MD261	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-X1T6L	1		
			Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-X1T3L	1		
			Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-H4T1R	1		
		NX	NX	NX-ID6142-5	Input	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-ICM2L	1
					Input	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-ICM5L	1
				NX-OD6121-5	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-ICM1L	1
					Output	32	PNP	Sensor connector terminal block	PNP	CH40-HP□-ICM1L	1
				NX-ID5142-5	Input	16	-	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1
					Input	16	-	Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1
				NX-OD5121-5	Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-A4T1L	1
					Output	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-A4T1L	1
				NX-MD6121-5	Input	16	-	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1
					Output	16	PNP	Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1
					Output	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T4R	1
				NX-MD6256-5	Input	16	-	Sensor connector terminal block	NPN	CH20-HP□-A4T2L	1
		Output	16		PNP	Sensor connector terminal block	PNP	CH20-HP□-A4T5L	1		
Output	16	PNP	Sensor connector terminal block		PNP	CH20-HP□-C1T1R	1				
RS Automation	X8	X8-XU32, X8-XU32SA	Input	32	-	Sensor connector terminal block	NPN	CH40-HP□-F5T2L	1		
			Input	32	-	Sensor connector terminal block	PNP	CH40-HP□-F5T3L	1		
		X8-YN32, X8-YN32S	Output	32	NPN	Sensor connector terminal block	NPN	CH40-HP□-F5T1L	1		
YOKOGAWA	FA-M3V	F3XD32-3F, F3XD32-4F, F3XD32-5F	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	1		
			Input	32	-	Sensor connector terminal block	PNP	CH40-FP□-W4T5R	1		
		F3XD64-3F, F3XD64-4F	Input	64	-	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	2		
			Input	64	-	Sensor connector terminal block	PNP	CH40-FP□-W4T5R	2		
		F3YD32-1H, F3YD32-1P	Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-H4M1R	1		
			Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-H4M1R	2		
		F3YD32-1R	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-H4M4R	1		
			Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-H4M4R	2		
		F3WD64-3P, F3WD64-4P	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-W4T2R	1		
			Output	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-H4M1R	1		

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Connector Type I/O Cable

I/O Terminal Blocks

Interface Terminal Blocks
Common Terminal Blocks
Sensor Connector Terminal Blocks
Relay Terminal Blocks

I/O Cables

Connector Type Cables
Open Type Cables
New/Old Model Replacement Table

Remote I/O

Others

General Features

Connections

Selection Guide

Controller						Terminal block to connect		Proper cable			
Manufacturer	Series	Module name	Input/Output	No. of I/O	Logic	Type	Logic	Model name	Quantity		
CIMON	CM1	XD64E	Input	64	-	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	2		
		YT64E	Output	64	NPN	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	2		
FUJI	MICREX-SX	NP1X3206-W, NP1X3202-W	Input	32	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1		
		NP1Y32T09P1	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1		
		NP1Y64T09P1	Output	64	NPN	Sensor connector terminal block	NPN	CH40-FP□-E1T1R	1		
		NP1Y32U09P1	Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	2		
		NP1Y64U09P1	Output	64	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T1R	1		
		NP1W6406T	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1		
			Output	32	NPN	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1		
		NP1W6406U	Input	32	-	Sensor connector terminal block	NPN	CH40-FP□-E1T6R	1		
			Output	32	PNP	Sensor connector terminal block	PNP	CH40-FP□-E1T3R	1		
		Autonics	LP	LP-S044-S1D0(1)-C5R	Input	16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	1
Output	16				PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	1		
LP-S070-T9D6(7)-C5R	Input			16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	1		
	Output			16	PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	1		
LP-A070-T9D6(7)-C5R	Input			16	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	1		
	Output			16	PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	1		
LP-A104-T9D8(9)-C6R	Input			32	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T2R	2		
	Output			32	PNP	Sensor connector terminal block	PNP	CH20-HP□-C1T5R	2		
					Output	32	NPN	Sensor connector terminal block	NPN	CH20-HP□-C1T1R	2

※□ in proper cable model name stands for the cable length. Please refer to the cable length in 'Ordering Information'.

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Controller				Connector	Terminal block to connect	Proper cable	
Manufacturer	Series	Module name	No. of I/O			Model name	Quantity
MITSUBISHI	J3	MR-J3-A	50	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		MR-J3-B(□)	20	CN3	Interface terminal block	CH20-MP□-8R	1
		MR-J3-T	20	CN20	Interface terminal block	CH20-MP□-8R	1
		MR-J3-D01	50	CM10	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
			20	CN20	Interface terminal block	CH20-MP□-8R	1
	J4	MR-J4-B(-RJ)	20	CN3	Interface terminal block	CH20-MP□-8R	1
		MR-J4-□A(-RJ)	50	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
MR-J4-03A6(-RJ)		50	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1	
YASKAWA	Σ-7	SGD7S-□□□□00A	50	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
	Σ-5	SGDV	50	CN1	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
Panasonic	A6	A6SE	50	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		A6SG	50	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		A6SF	50	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
	A5	MINAS A5	50	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1
		MINAS A5 II	50	X4	Interface terminal block	CH50-MP□-8R, CH50-MQ□-8R	1

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