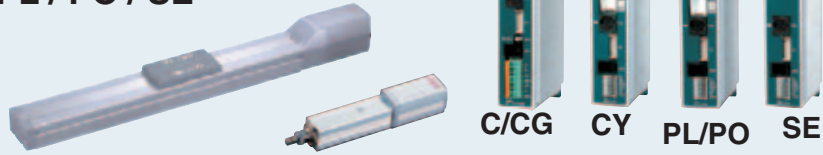


PCON

Model C / CG / CY / PL / PO / SE

Position controller for RCP2 series

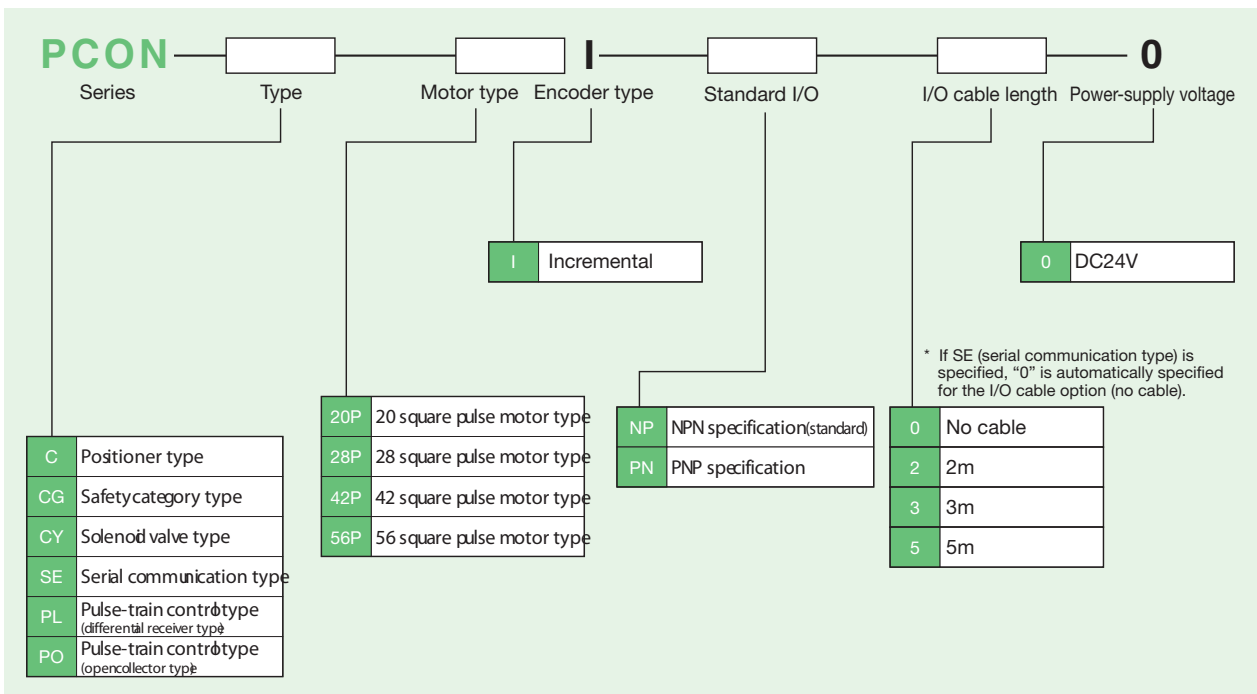


Type List

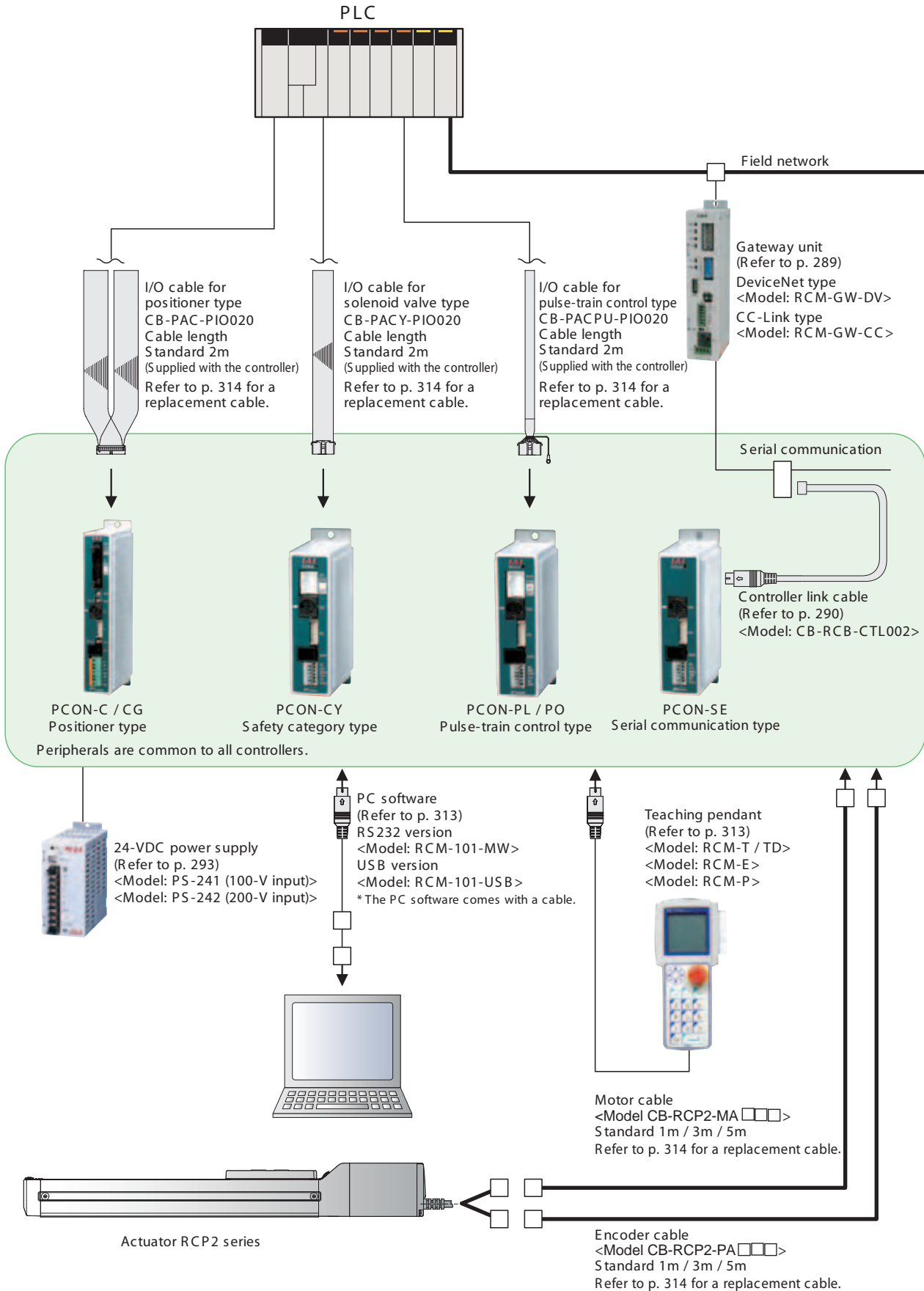
Position controller capable of operating RCP2 series actuator. Select from five types each supporting a different control mode.

Type	C	CG	CY	PL / PO	SE
Name	Positioner type	Safety category type	Solenoid valve type	Pulse-train control type	Serial communication type
External view					
Description	Positioner supporting up to 512 positioning points	C type conforming to safety category	Same control actions as those used on air cylinders	Controller for pulse-train control	Network controller
Number of position points	512 points	512 points	3 points	—	64 points
	—	—	—	—	—

Model



System Configuration

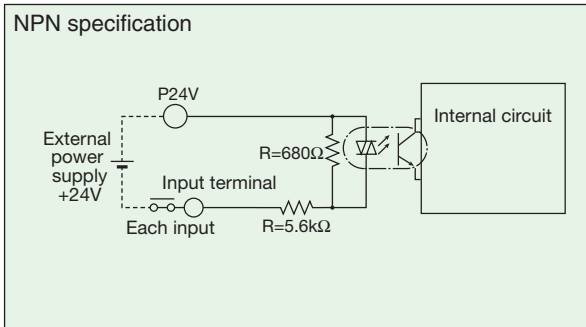


- Controller - Integrated type
- Slider Type
- Rod Type
- Arm / Flat Type
- Gripper / Rotary Type
- Cleanroom Type
- Splash Proof Type
- Controller**
- Controller Models
- Gateway unit
- PS-24
- ERC2
- PCON
- ACON
- SCON
- PSEL
- ASEL
- SSEL
- XSEL

I/O Specifications

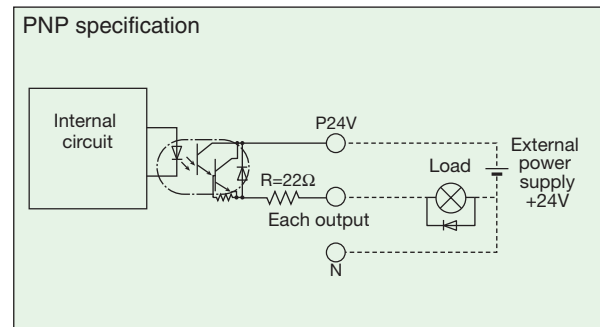
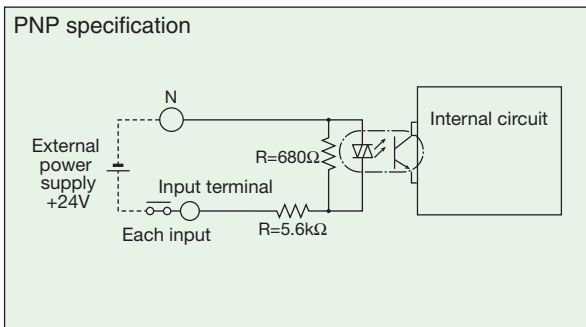
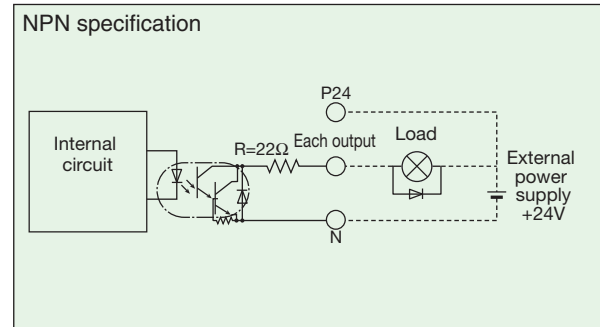
Input Part External input specifications

Item	Specification
Input voltage	24VDC ± 10%
Input current	4mA/circuit
Leak current	1mA max./point
Insulation method	Photocoupler



Output Part External output specifications

Item	Specification
Load voltage	DC24V
Maximum load current	50mA/point
Residual voltage	2V max.
Insulation method	Photocoupler



I/O Specifications

The four controller types (C/CG, CY, PL/PO and SE) are differentiated by their I/O specifications. Since the positioner type and solenoid valve type allow the I/O signal settings to be changed through the controller, multiple functions can be provided for selection as needed.

Controller Functions by Type

Type	C / CG	CY	PL / PO	SE	Features
Name	Positioner type	Solenoid valve type	Pulse-train control type	Serial communication type	
Positioner mode	○	○	×	×	A basic operation mode in which the actuator is operated by specifying a position number and then inputting a start signal.
Teaching mode	○	×	×	×	In this mode, the slider (rod) can be moved by means of an external signal to store the achieved position as position data.
Solenoid valve mode	○	○	×	×	The actuator can be moved simply by ON/OFF of position signals. This mode supports the same control actions you are already familiar with on solenoid valves of air cylinders.
Pulse train mode	×	×	○	×	In this mode, you can operate the actuator freely using pulse trains without inputting position data.
Network support	○	○	×	○	The controller can be connected to a DeviceNet or CC-Link network using a gateway unit.

Explanation of I/O Signal Functions

The table below explains the functions assigned to the respective I/O signals of the controller. Since the signals that can be used vary depending on the controller type and settings, check the signal table for each controller to confirm the available functions.

■ Controller Functions by Type

Category	Abbreviation	Signal name	Function description
Input	CSTR	PTP strobe signal (start signal)	Input this signal to cause the actuator to start moving to the position set by the command position number signal.
	PC1~PC256	Command position number signal	This signal is used to input a target position number (binary input).
	BKRL	Brake forced-release signal	This signal forcibly releases the brake.
	RMOD	Running mode switching signal	This signal can switch the running mode when the MODE switch on the controller is set to AUTO (AUTO when this signal is OFF, or MANU when the signal is ON).
	* STP	Pause signal	Turning this signal OFF causes the moving actuator to decelerate to a stop. The actuator will resume the remaining movement if the signal is turned OFF during the pause.
	RES	Reset signal	Turning this signal ON resets the alarms that are present. If this signal is turned ON while the actuator is paused (*STP is OFF), the remaining movement can be cancelled.
	SON	Servo ON signal	The servo remains on while this signal is ON, or off while the signal is OFF.
	HOME	Home return signal	Turning this signal ON performs home-return operation.
	MODE	Teaching mode signal	Turning this signal ON switches the controller to the teaching mode (provided that CSTR, JOG+ and JOG- are all OFF and the actuator is not moving).
	JISL	Jog/inching switching signal	The actuator can be jogged with JOG+ and JOG- while this signal is OFF. The actuator performs inching operation with JOG+ and JOG- while this signal is ON.
	JOG+ JOG-	-----	----
	PWRT	Teaching signal	In the teaching mode, specify a desired position number and then turn this signal ON for at least 20 ms to write the current position under the specified position number.
	ST0~ST6	Start position command	Turning this signal ON in the solenoid valve mode causes the actuator to move to the specified position. (Start signal is not required.)
	TL	Torque limit selection signal	While this signal is ON, torque is limited by the value set by a parameter. The TLR signal turns ON if torque has reached the specified value.
DCLR	Deviation counter clear signal	The position deviation counter is continuously cleared while this signal is ON.	
Output	PEND/INP	Position complete signal	This signal turns ON when the actuator has entered the positioning band after movement. If the actuator has exceeded the positioning band, PEND does not turn OFF, but INP does. PEND and INP can be swapped using a parameter.
	PM1~PM256	Completed position number signal	This signal is used to output the position number achieved at completion of positioning (binary output).
	HEND	Home return complete signal	This signal turns ON upon completion of home return.
	ZONE1	Zone signal	This signal turns ON when the current actuator position has entered the range specified by parameters.
	PZONE	Position zone signal	This signal turns ON when the current actuator position has entered the range specified by position data during position movement. PZONE can be used together with ZONE1, but PZONE is valid only during movement to a specified position.
	RMDS	Running mode status signal	This signal is used to output the running mode status.
	* ALM	Controller alarm status signal	This signal remains ON while the controller is normal, and turns OFF if an alarm has generated.
	MOVE	Moving signal	This signal remains ON while the actuator is moving (including the periods during home return and push-motion operation).
	SV	Servo ON status signal	This signal remains ON while the servo is on.
	* EMGS	Emergency stop status signal	This signal remains ON while the controller is not in the emergency stop mode, and turns OFF once an emergency stop has been actuated.
	MODES	Mode status signal	This signal turns ON when the controller has switched to the teaching mode via MODE signal input. It turns OFF upon returning to the normal mode.
	WEND	Write complete signal	This signal remains OFF after the controller has switched to the teaching mode. It turns ON upon completion of data write using the PWRT signal. If the PWRT signal is turned OFF, this signal also turns OFF.
	PE0~PE6	Current position number signal	This signal turns ON after the controller has completed moving to the target position in the solenoid valve mode.
	TLR	Torque limiting signal	This signal turns ON once the motor torque has reached the specified value in a condition where torque is being limited by the TL signal.
LSO~LS2	Limit switch output signal	Each signal turns ON when the current actuator position has entered the positioning band before or after the target position. If the actuator has already completed home return, these signals are output even before a movement command is issued or while the servo is OFF.	
TRQS	Torque level status signal	This signal outputs when the current value of the motor reaches the limitation value, before the JOG operation returns to the starting point and the slider (rod) collides to the mechanical end or an obstacle.	

I/O Signal Table

■ Positioner type (PCON-C / CG)

Pin number	Category	Number of positioning points	Parameter (PIO pattern) selection					
			0	1	2	3	4	5
			Positioning mode	Teaching mode	256-point mode	512-point mode	Solenoid valve mode 1	Solenoid valve mode 2
			64 points	64 points	256 points	512 points	7 points	3 points
		Zone signal	○	x	x	x	○	○
		P zone signal	○	○	○	x	○	○
1A	24V		P24					
2A	24V		P24					
3A	-		NC					
4A	-		NC					
5A	Input	IN0	PC1	PC1	PC1	PC1	ST0	ST0
6A		IN1	PC2	PC2	PC2	PC2	ST1	ST1 (JOG+)
7A		IN2	PC4	PC4	PC4	PC4	ST2	ST2 (-)
8A		IN3	PC8	PC8	PC8	PC8	ST3	-
9A		IN4	PC16	PC16	PC16	PC16	ST4	-
10A		IN5	PC32	PC32	PC32	PC32	ST5	-
11A		IN6	-	MODE	PC64	PC64	ST6	-
12A		IN7	-	JISL	PC128	PC128	-	-
13A		IN8	-	JOG+	-	PC256	-	-
14A		IN9	BKRL	JOG-	BKRL	BKRL	BKRL	BKRL
15A		IN10	RMOD	RMOD	RMOD	RMOD	RMOD	RMOD
16A		IN11	HOME	HOME	HOME	HOME	HOME	-
17A		IN12	* STP	* STP	* STP	* STP	* STP	-
18A		IN13	CSTR	CSTR/PWRT	CSTR	CSTR	-	-
19A		IN14	RES	RES	RES	RES	RES	RES
20A	IN15	SON	SON	SON	SON	SON	SON	
1B	Output	OUT0	PM1	PM1	PM1	PM1	PE0	LSO
2B		OUT1	PM2	PM2	PM2	PM2	PE1	LS1 (TRQS)
3B		OUT2	PM4	PM4	PM4	PM4	PE2	LS2(-)
4B		OUT3	PM8	PM8	PM8	PM8	PE3	-
5B		OUT4	PM16	PM16	PM16	PM16	PE4	-
6B		OUT5	PM32	PM32	PM32	PM32	PE5	-
7B		OUT6	MOVE	MOVE	PM64	PM64	PE6	-
8B		OUT7	ZONE1	MODES	PM128	PM128	ZONE1	ZONE1
9B		OUT8	PZONE	PZONE	PZONE	PM256	PZONE	PZONE
10B		OUT9	RMDS	RMDS	RMDS	RMDS	RMDS	RMDS
11B		OUT10	HEND	HEND	HEND	HEND	HEND	HEND
12B		OUT11	PEND	PEND/WEND	PEND	PEND	PEND	-
13B		OUT12	SV	SV	SV	SV	SV	SV
14B		OUT13	* EMGS	* EMGS	* EMGS	* EMGS	* EMGS	* EMGS
15B	OUT14	* ALM	* ALM	* ALM	* ALM	* ALM	* ALM	
16B		-	-	-	-	-	-	
17B	-		NC					
18B	-		NC					
19B	0V		N					
20B	0V		N					

(Note) The signal names inside the parenthesis become the function before returning to the starting point.

■ Solenoid valve type (PCON-CY)

Pin number	Category	Number of positioning points	Parameter (PIO pattern) selection	
			0	1
			Solenoid valve mode 0	Solenoid valve mode 1
			3 points	3 points
		Zone signal	x	x
		P zone signal	x	○
1	24V			
2	0V			
3	Input	IN0	ST0	ST0
4		IN1	ST1(JOG)	ST1(JOG)
5		IN2	ST2(-)	ST2(-)
6		IN3	SON	SON
7	Output	OUT0	LS0	PE0
8		OUT1	LS1(TRQS)	PE1(TRQS)
9		OUT2	LS2(-)	PE2(-)
10		OUT3	SV	PZONE
11		OUT4	HEND	HEND
12	OUT5	* ALM	* ALM	

■ Pulse-train type (PCON-PL/PO)

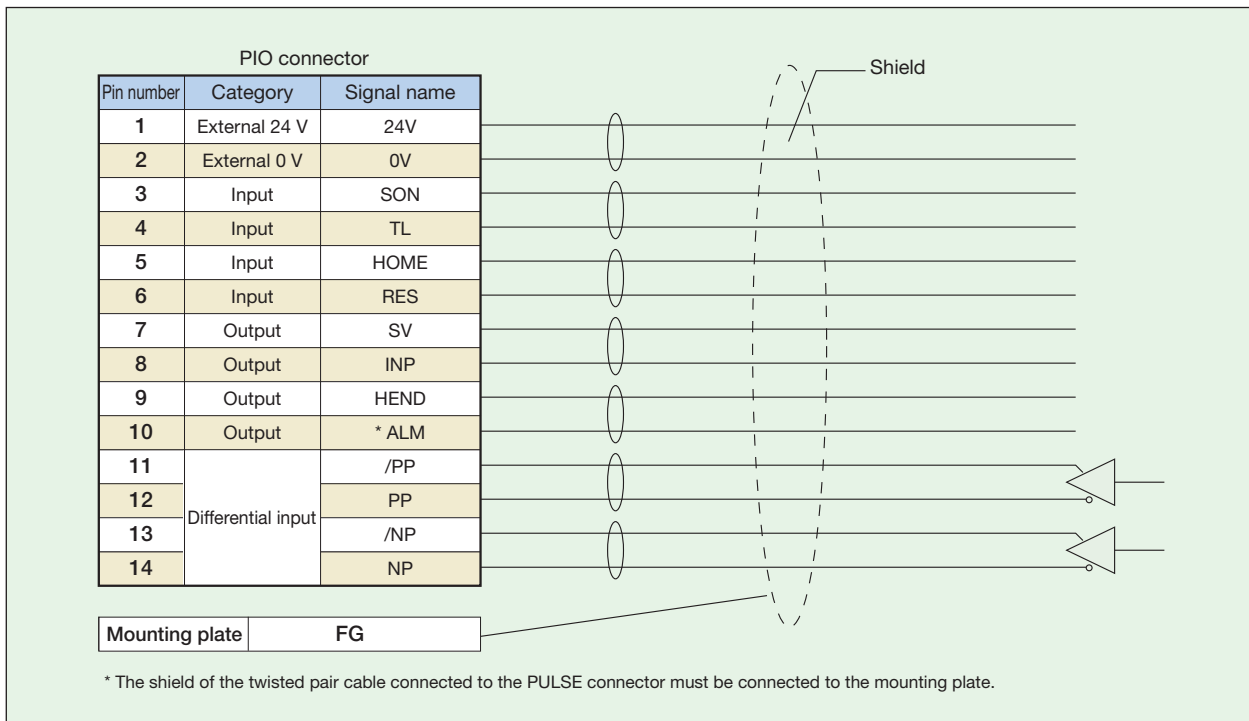
Pin number	Category	Number of positioning points	Parameter (PIO pattern) selection	
			0	1
			Standard mode	Push mode
			-	-
		Zone signal	x	x
		P zone signal	x	x
1	24V			
2	0V			
3	Input	IN0	SON	SON
4		IN1	TL	TL
5		IN2	HOME	HOME
6		IN3	RES	RES/DCLR
7	Output	OUT0	SV	SV
8		OUT1	INP	INP/TLR
9		OUT2	HEND	HEND
10		OUT3	* ALM	* ALM
11	Input		* PP	* PP
12			PP	PP
13			* NP	* NP
14			NP	NP

(Note) The signal names inside the parenthesis become the function before returning to the starting point.

Wiring Diagram for Pulse-Train Input Type

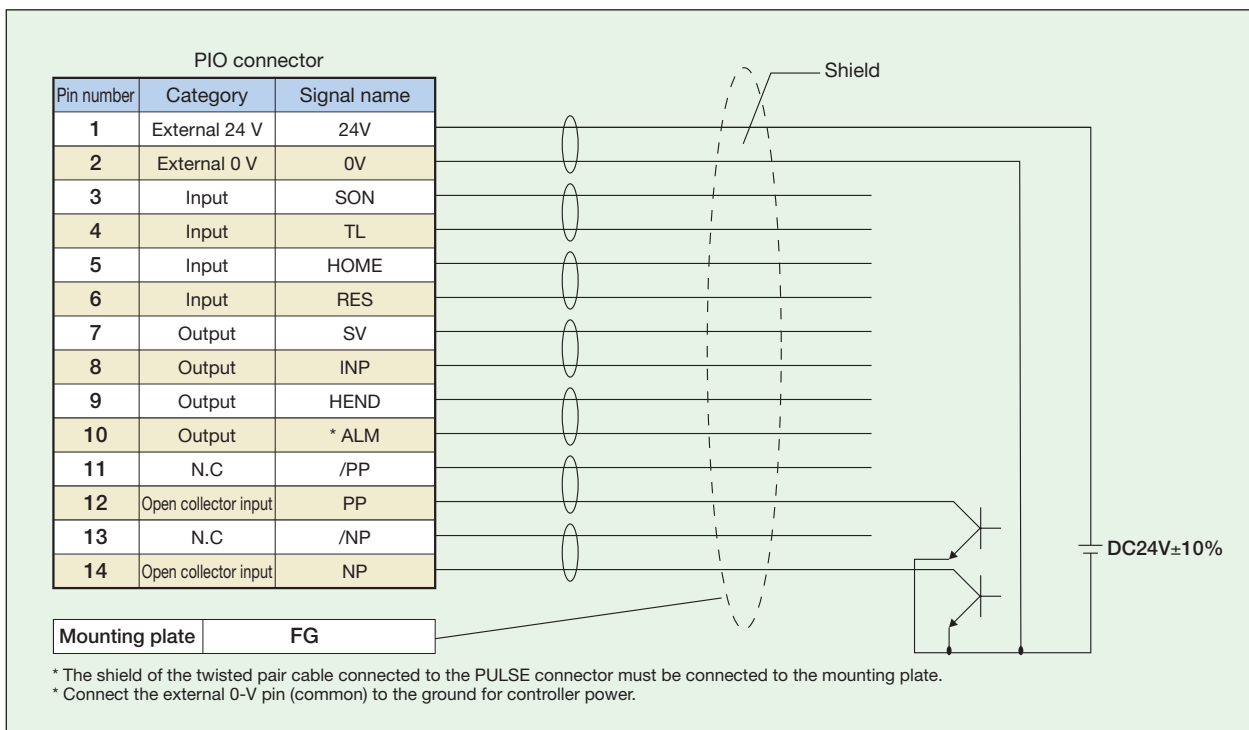
■ Differential Receiver Method (PCON-PL)

Maximum input pulse frequency : MAX 200kpps
 Cable length : MAX 10m



■ Open Collector Method (PCON-PO)

Maximum input pulse frequency : MAX 60kpps
 Cable length : MAX 2m



- Controller - Integrated type
- Slider Type
- Rod Type
- Arm / Flat Type
- Gripper / Rotary Type
- Cleanroom Type
- Splash Proof Type
- Controller
- Controller Models
- Gateway unit
- PS-24
- ERC2
- PCON
- ACON
- SCON
- PSEL
- ASEL
- SSEL
- XSEL

Command Pulse Input Patterns

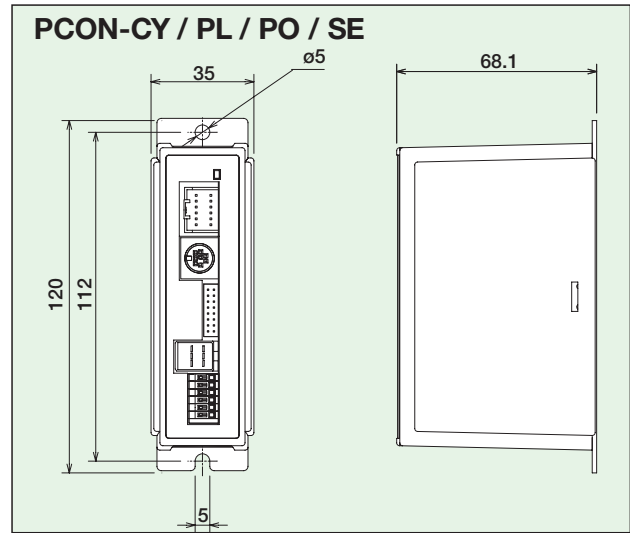
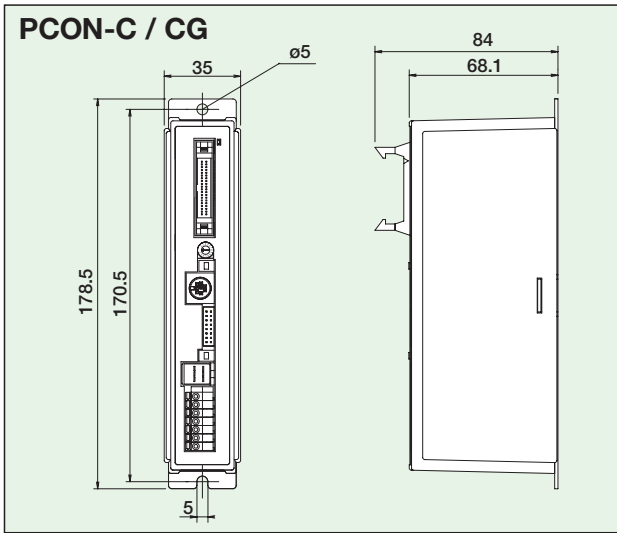
Command pulse train pattern		Input terminal	Forward	Reverse	
Negative logic	Forward pulse train	PP•/PP			
	Reverse pulse train	NP•/NP			
	Forward pulse trains and reverse pulse trains indicate the motor revolutions in forward direction and reverse direction, respectively.				
	Pulse train	PP•/PP			
	Sign	NP•/NP	Low	High	
	Command pulses indicate the motor revolutions, while the sign of the command indicates the rotating direction.				
	Phase-A/B pulse train	PP•/PP			
		NP•/NP			
	Phase-A/B (x4) pulses with a 90° phase difference specify both the revolutions and rotating direction.				
	Positive logic	Forward pulse train	PP•/PP		
Reverse pulse train		NP•/NP			
Pulse train		PP•/PP			
Sign		NP•/NP	High	Low	
Phase-A/B pulse train		PP•/PP			
	NP•/NP				

Specification Table

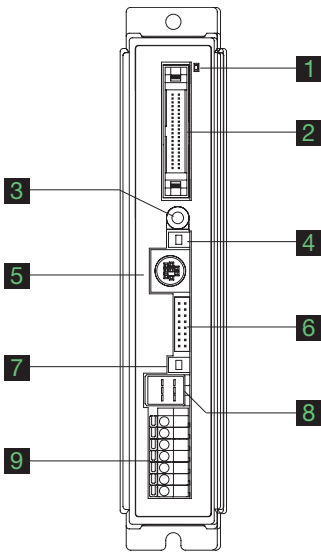
Item	Specification					
	C	CG	CY	PL	PO	SE
Controller type	C	CG	CY	PL	PO	SE
Connectable actuators	RCP2 series actuator (Note 1)					
Number of controlled axes	1 axis					
Operation method	Positioner type		Solenoid valve type	Pulse-train control type		Serial communication type
Number of positioning points	512 points		3 points	—		64 points
Backup memory	EEPROM					
I/O connector	40-pin connector		12-pin connector	14-pin connector		None
Number of I/O points	16 input points / 16 output points		4 input points / 6 output points	4 input points / 4 output points		None
I/O power supply	Externally supplied 24VDC ± 10%					
Serial communication	RS485 1ch					
Peripheral communication cable	CB-PAC-PIO □□□		CB-PACY-PIO □□□	CB-PACPU-PIO □□□		CB-RCB-CTL002
Command pulse-train input method	—			Differential line driver	Open collector	—
Maximum input pulse frequency (Note 2)	—			Max 200kpps	Max 60kpps	—
Position detection method	Incremental encoder					
Drive-source cutoff relay at emergency stop	Built-in		External			
Forced release of electromagnetic brake	Brake release switch ON/OFF		BK-release terminal signal ON/OFF on power connector			
Motor cable	CB-RCP2-MA □□□ (20m max.)					
Encoder cable	CB-RCP2-PA □□□ (20m max.)					
Input power supply	DC24V±10%					
Power-supply capacity	2A max.					
Dielectric strength voltage	DC500V 1MΩ					
Vibration resistance	XYZ directions		10~57Hz One-side amplitude 0.035mm (continuous), 0.075mm (intermittent) 58~150Hz 4.9m/s ² (continuous), 9.8m/s ² (intermittent)			
Ambient operating temperature	0~40°C					
Ambient operating humidity	10~95% (non-condensing)					
Operating ambience	Free from corrosive gases					
Protection class	IP20					
Weight	Approx. 300g			Approx. 130g		

(Note 1) The high-thrust type (RFA), high-speed type (HS8C/HS8R) and waterproof type (RCP2W-SA16) cannot be operated.
 (Note 2) With the open collector specification, keep the maximum input frequency to 60 kpps or below to prevent malfunction.

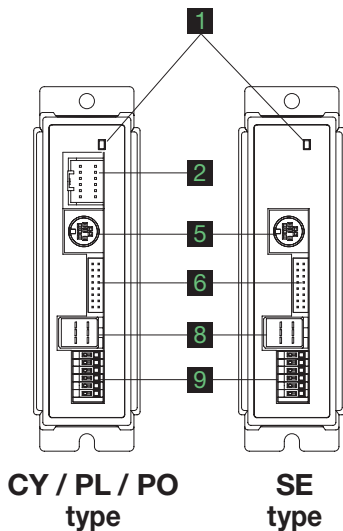
External Dimensions



Name of Each Part



C / CG type



CY / PL / PO type

SE type

* PIO connector pins
CY: 12 pins
PL/PO: 14 pins

Blinking (green) LED indicators

These LED indicate the condition of the controller.

Unlit Servo on Lit (red) Alarm present Lit (green) Servo off **1** Automatic servo-off mode

2 PIO connector

Connect a cable for communicating with a PLC or other external equipment.

3 Address-setting rotary switch

This switch is used to set the address of each controller when multiple controllers are linked.

4 Mode switch

This switch is used to switch between teaching operation (MANU) and automatic operation (AUTO).

Operation details

MANU	I/O commands are not accepted. Data can be written from a teaching pendant.
AUTO	I/O commands are valid, while operations from a teaching pendant are not accepted. Monitoring is possible.

5 SIO connector

Connect a teaching-pendant or PC cable, or a controller to connect to a gateway unit.

Operation details

Pin number	Signal	Pin	Remarks
1	SGA	RS485 differential signal+	
2	SGB	RS485 differential signal-	
3	5V	+5-V output	For RS232/485 conversion
4	ENBL	Enable signal	
5	EMGA	EMG line connection to external equipment	
6	24V	24-V power for T/P	For T/P
7	0V	Ground	
8	EMGB	EMG line connection to external equipment	
9	0V	Ground for EMG line connection to external equipment	

6 Encoder/brake connector

Connect the encoder/brake cables of the actuator.

7 Brake release switch

A switch to forcibly release the brake

8 Motor connector

Connect the motor cable of the actuator.

9 Power terminal block

Supplies the main controller power and actuates an emergency stop.

C/CG types

Pin number	Signal Name	Name
7	S1	TP_EMG external drive-source cutoff terminal
6	S2	TP_EMG external drive-source cutoff terminal
5	MPI	Motor drive-source cutoff terminal
4	MPO	Motor drive-source cutoff terminal
3	24V	Positive side of the 24-V power supply
2	0V	Negative side of the 24-V power supply
1	EMG	EMG signal (application of 24 V)

CY / PL / PO / SE types




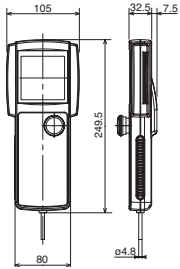
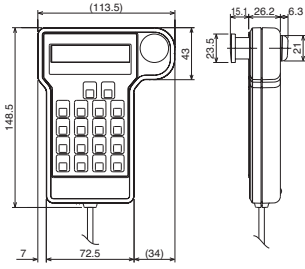
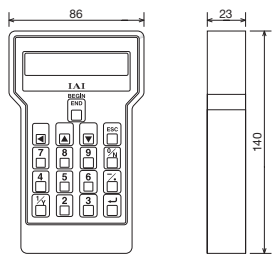
Pin number	Signal Name	Name
6	BK	Brake release
5	MPI	Motor drive-source cutoff terminal
4	MPO	Motor drive-source cutoff terminal
3	24V	Positive side of the 24-V power supply
2	0V	Negative side of the 24-V power supply
1	EMG	EMG signal (application of 24 V)

- Controller - Integrated type
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- ERC2
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- SSEL
- XSEL

Options

Teaching Pendant

An input device that provides all functions you need for trial operation and adjustment, such as position data input, test operation, as well as monitoring of current axis positions and input/output signals.

Name	Teaching Pendant	Simple teaching pendant	Data setting unit
Model	RCM-T (standard specification) RCM-TD (with deadman switch *1)	RCM-E	RCM-P
Standard price	—	—	—
External view			
Features	A standard, user-friendly teaching pendant equipped with a large LCD screen. A deadman switch type ensuring added safety is also available.	An economical type offering the same functions as the RCA-T at a substantially lower price.	An affordable data setting unit that provides all editing functions other than those relating to axis operation. * This unit does not support operations relating to axis movement.
Display	21 characters x 16 lines on LCD	16 characters x 2 lines on LCD	16 characters x 2 lines on LCD
Weight	Approx. 550g	Approx. 400g	Approx. 360g
Cable length	5m	5m	5m
Ambient operating temperature, humidity	Temperature: 0~40°C, Humidity: 85% RH or below		
External dimensions			

*1 The deadman switch is a safety switch that cuts off the drive source when released to disable operation.

PC Software

A software program that helps input position data and perform test operation. It significantly facilitates debugging operation by offering wide-ranging functions including jogging, inching, step operation and continuous operation.

RS232 Communication Type

Model RCM-101-MW

<Content>PC software (CD-ROM),
PC cable
(communication cable + RS232 conversion unit)



USB Communication Type

Model RCM-101-USB

<Content>PC software (CD-ROM),
PC cable
(communication cable + USB conversion unit + USB cable)



No	Position [mm]	Speed [mm/s]	ACC [G]	Push [%]	Pos. band [mm]	MAX ACC flag	ABS/INC flag	Comment
0	2.00	600	0.30	0	0.11	0	0	
1	5.00	600	0.30	0	0.11	0	1	
2	-5.00	300	0.30	0	0.11	0	1	
3	15.00	600	0.30	0	0.11	0	1	
4	50.00	100	0.30	25	30.00	0	0	
5	100.01	22	0.30	0	0.11	0	0	

名称	状態	名称	状態	名称	状態
PC1	OFF	FW1	OFF	原点復帰	OFF
PC2	OFF	FW2	OFF	リリリリ	OFF
PC4	OFF	FW4	OFF	リリリリ	OFF
PC8	OFF	FW8	OFF	(手動)	OFF
PC16	OFF	FW16	OFF	(手動)	OFF
PC32	OFF	FW32	OFF	(手動)	OFF
-	OFF	MOVE	OFF	(手動)	OFF
-	OFF	ZONE1	ON	リリリリ	OFF
-	OFF	ZONE2	OFF	リリリリ	ON
SWLS	OFF	RMD2	ON	(手動)	ON
RMD0	OFF	HEND	ON	(手動)	OFF
HOM0	OFF	PCND	ON	(手動)	OFF
*STP	OFF	SY	ON	(手動)	OFF
CTR0	OFF	HWG0	ON	(手動)	OFF
RES	OFF	HALM	ON	(手動)	OFF
CON	OFF	HALB	ON	(手動)	OFF

Spare Parts

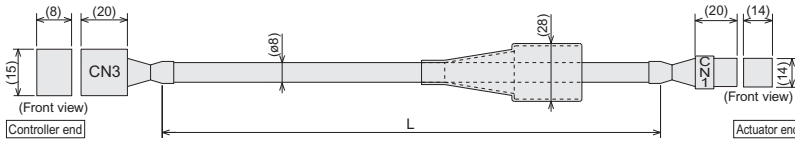
Should you require spare parts after the purchase of your product for replacing the original cables, etc., refer to the model names specified below.

Motor Cable

CB-RCP2-MA □□□

* The standard motor cable is a robot cable.

* □□□ indicates the cable length (L). Lengths up to 20 m can be specified. Example) 080 = 8 m



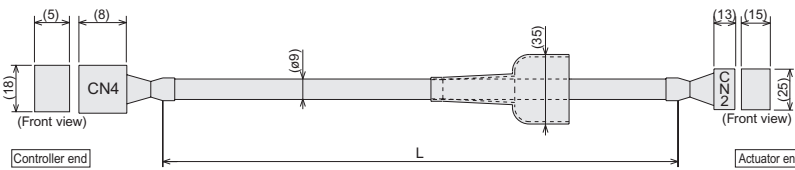
CN3			M cable			CN1		
Orange	A	A1	1	A	Yellow	1	A	Yellow
Grey	VMM	A2	2	VMM	Grey	2	VMM	Grey
White	B	A3	3	B	Orange	3	B	Orange
Yellow	A	B1	4	B	Orange/black 1	4	B	Orange/black 1
Pink	VMM	B2	5	VMM	Pink	5	VMM	Pink
Orange/black 1	B	B3	6	B	White	6	B	White

I-1318119-3 (AMP) SLP-06V (JST)

Encoder Cable / Encoder Robot Cable

CB-RCP2-PA □□□□/ **CB-RCP2-PA** □□□□-RB

* The standard encoder cable is a normal cable. * □□□□ indicates the cable length (L). Lengths up to 20 m can be specified as an option. A robot cable can be specified as an option.



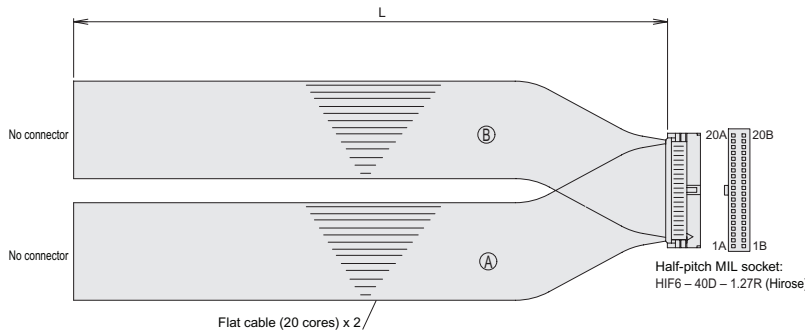
CN4	Cable color	Signal name	Pin number	CN2	Pin number	Signal name	Cable color
-	-	(BA1)	16	-	-	-	-
Red	BK+	14	14	1	ENA	Brown	Brown
Grey	BK-	13	13	2	ENA	Green	Green
Brown	ENA	12	12	3	ENB	Purple	Purple
Green	ENA	11	11	4	ENB	Pink	Pink
Purple	ENB	10	10	5	-	-	-
Pink	ENB	9	9	6	-	-	-
Black	VPS	8	8	7	-	-	-
Yellow	VPS	7	7	8	-	-	-
Orange	VBB	6	6	9	GND	Blue	Blue
Blue	GND	5	5	10	VBB	Orange	Orange
-	(N.C)	4	4	11	VPS	Yellow	Yellow
-	(N.C)	3	3	12	-	-	-
-	(N.C)	2	2	13	-	-	-
Drain	F.G	1	1	14	-	-	-
				15	-	-	-
				16	BK+	Red	Red
				17	BK-	Grey	Grey
				18	F.G	Drain	Drain

PHDR-16/S (JST) XMP-18/V (JST)

I/O Cable for Positioner Type (PCON-C/CG)

CB-PAC-PIO □□□□

* □□□□ indicates the cable length (L). Lengths up to 20 m can be specified. Example) 080 = 8 m



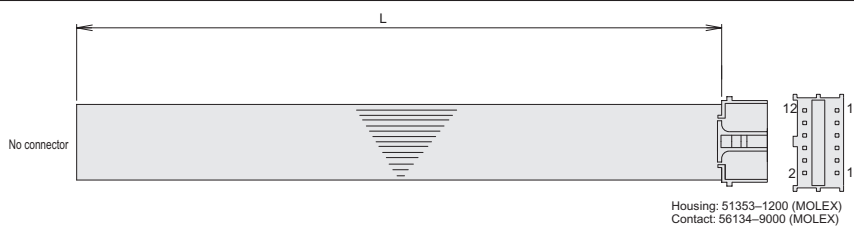
No.	Signal name	Cable color	Wire	No.	Signal name	Cable color	Wire
1A	24V	Brown-1	1B	OUT0	Brown-3	1B	OUT0
2A	24V	Red-1	2B	OUT1	Red-3	2B	OUT1
3A	-	Orange-1	3B	OUT2	Orange-3	3B	OUT2
4A	-	Yellow-1	4B	OUT3	Yellow-3	4B	OUT3
5A	IN0	Green-1	5B	OUT4	Green-3	5B	OUT4
6A	IN1	Blue-1	6B	OUT5	Blue-3	6B	OUT5
7A	IN2	Purple-1	7B	OUT6	Purple-3	7B	OUT6
8A	IN3	Grey-1	8B	OUT7	Grey-3	8B	OUT7
9A	IN4	White-1	9B	OUT8	White-3	9B	OUT8
10A	IN5	Black-1	10B	OUT9	Black-3	10B	OUT9
11A	IN6	Brown-2	11B	OUT10	Brown-4	11B	OUT10
12A	IN7	Red-2	12B	OUT11	Red-4	12B	OUT11
13A	IN8	Orange-2	13B	OUT12	Orange-4	13B	OUT12
14A	IN9	Yellow-2	14B	OUT13	Yellow-4	14B	OUT13
15A	IN10	Green-2	15B	OUT14	Green-4	15B	OUT14
16A	IN11	Blue-2	16B	OUT15	Blue-4	16B	OUT15
17A	IN12	Purple-2	17B	-	Purple-4	17B	-
18A	IN13	Grey-2	18B	-	Grey-4	18B	-
19A	IN14	White-2	19B	OV	White-4	19B	OV
20A	IN15	Black-2	20B	OV	Black-4	20B	OV

HIF6-40D-1.27R Flat cable (20 cores) x 2 Flat cable (20 cores) x 2

I/O Cable for Solenoid Valve Type (PCON-CY)

CB-PACY-PIO □□□□

* □□□□ indicates the cable length (L). Lengths up to 20 m can be specified. Example) 080 = 8 m



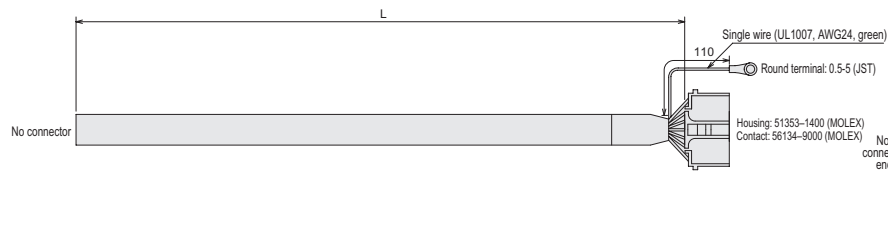
No.	Signal name	Cable color	Wire
1	24V	Brown	1
2	OV	Red-1	2
3	IN0	Orange-1	3
4	IN1	Yellow-1	4
5	IN2	Green-1	5
6	IN3	Blue-1	6
7	OUT0	Purple-1	7
8	OUT1	Grey-1	8
9	OUT2	White-1	9
10	OUT3	Black-1	10
11	OUT4	Brown-2	11
12	OUT5	Red-2	12

51353-1200 (MOLEX) Flat cable (20 cores) x 2

I/O Cable for Pulse-Train Control Type (PCON-PL/PO)

CB-PACPU-PIO □□□□

* □□□□ indicates the cable length (L). Lengths up to 20 m can be specified. Example) 080 = 8 m



No.	Signal name	Cable color	Wire
1	IO 24V	Black	1
2	IO 24V	White / Black	2
3	IN0	Red	3
4	IN1	White / Red	4
5	IN2	Green	5
6	IN3	White / Green	6
7	OUT0	Yellow	7
8	OUT1	White / Yellow	8
9	OUT2	Brown	9
10	OUT3	White / Brown	10
11	PP	Blue	11
12	PG	White / Blue	12
13	NP	Grey	13
14	NG	White / Grey	14

51353-1400 (MOLEX) Flat cable (20 cores) x 2

- Controller - Integrated type
- Slider Type
- Rod Type
- Arm / Flat Type
- Gripper / Rotary Type
- Cleanroom Type
- Slash Proof Type
- Controller
- Controller Models
- Gateway unit
- PS-24
- ERC2
- PCON
- ACON
- SCON
- PSL
- ASEL
- SSEL
- XSEL