

Simple-to-use ELECYLINDER with Built-in Controller Medium Belt-driven Type with Top-mounted Motor

Simple-to-use ELECYLINDER with Built-in Controller Medium Belt-driven Type with Bottom-mounted Motor

EC B6/7S **EC** B6/7SU

GF





Simple & Wireless Operation 2 Position Actuator

www.elecylinder.de

2-point positioning

Built-in controller

EleCylinder EC-B6/B7 Belt-driven Type



Max. stroke: 2600mm Max. speed: 1600mm/s



Select a battery-less absolute encoder as an option to eliminate the need to return home at a long stroke!

The motor installation direction can also be changed after purchase



Downward facing motor specification

Can be bolted from the top, allowing for easy replacement

Installation bolt size B6: M4, B7: M5



Installation orientation Can be installed in any of the following orientations^{*}

Installation bolt



Horizontal side-mounted

Horizontal suspended





* Installing the product horizontal side-mounted or horizontal suspended may cause slack or misalignment in the stainless steel sheet.

Continued use in these orientations can cause the stainless steel sheet to break. Please inspect it daily and adjust the sheet if any slack or misalignment is found.

Model Specifications Items



Mounting method

• Use the through holes on top of the actuator

O: Can be mounted —: Cannot be mounted



* Installing the product horizontal side mount or horizontal suspended may cause slack or misalignment in the stainless steel sheet. Continued use in these orientations can cause the stainless steel sheet to break. Please inspect it daily and adjust the sheet if any slack or misalignment is found.

• Keep the body installation surface and workpiece mounting surface flatness within 0.05mm/m. Uneven flatness will increase the slider's sliding resistance and may cause malfunction.

Duty Ratio

EC-B6/B7 can be operated at 100% of its duty cycle. (Ambient temperature 0 to 40°C.)

[Duty Cycle]

Duty cycle is the percentage of the actuator's active operation time in each cycle.





Table	6						
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Standard connector cable

Cable code	Cable length	User wiring specification (no connector)	RCON-EC connection specification (with connec- tors on both sides) (Note 1)		
0	Without cable (with connector)	Only a terminal block connector is included			
1~3	1 ~ 3m				
4~5	4 ~ 5m	CB-EC-PWBIO	included (Note 2)		
6~7	6 ~ 7m				
8~10	8~10m				

(Note 1) When optional RCON-EC connection spec. (ACR) is selected. (Note 2) Robot cable.

4-directional connector cable

Cable code	Cable length	User wiring specification (no connector)	RCON-EC connection specification (with connec- tors on both sides) (Note 1)		
S1 ~ S3	1 ~ 3m				
S4 ~ S5	4 ~ 5m	CB-EC2-PWBIO	CB-REC2-PWBIO		
S6 ~ S7	6 ~ 7m	included (Note 2)	included (Note 2)		
S8 ~ S10	8 ~ 10m				

(Note 1) When optional RCON-EC connection spec. (ACR) is selected. (Note 2) Robot cable.

Option

observed.

Name	Option code	Reference page
RCON-EC connection specification (Note 1)	ACR	10
Brake	В	10
Specified grease applied specification (Note 2)	G5	10
Non-motor end specification	NM	10
PNP specification	PN	10
Twin power supply specification	TMD2	10
Battery-less absolute encoder specification	WA	10
Wireless communication specification	WL	10
Wireless axis operation specification	WL2	10

be moderated if some abnormal vibration or noise is

(Note 1) When selecting RCON-EC connection specification (ACR), PNP specification (PN) and twin power source specification (TMD2) cannot be selected. (Note 2) Change grease to food grade.

Main Specifications

		Description	
	Devide end	Maximum payload (energy- saving disabled) (kg)	11
al	Fayloau	Maximum payload (energy- saving enabled) (kg)	3
ont		Max. speed (mm/s)	1500
oriz	Speed/ acceleration/ deceleration	Min. speed (mm/s)	100
Ť		Rated acceleration/ deceleration (G)	0.3
		Max. accleration/ deceleration (G)	1.0
Brake		Brake holding specification	Non-excitation actuating solenoid brake
		Brake holding force (kgf)	1.3
Stroke		Min. stroke (mm)	300
		Max. stroke (mm)	2600
		Stroke pitch (mm)	100

Direction of	moment for the S	5lider type
	La	<u>s</u>
Ma (Pitching)	Mb (Yawing)	Mc (Rolling)

ltem	Description				
Driving system	Timing belt 9mm width 3mm pitch 48mm lead				
Positioning repeatability	±0.08mm				
Base	Dedicated aluminum extruded material (A6063SS-T5 Equivalent) Black alumite treatment				
Linear guide	Linear motion infinite circulating type				
C	Ma: 48 N · m				
Static allowable	Mb: 69 N • m				
moment	Mc: 97 N • m				
Dynamic	Ma: 11 N • m				
allowable moment	Mb: 16 N · m				
(Note 1)	Mc: 23 N • m				
Ambient operation temperature/ humidity	0~40°C, 85%RH or less (Non-condensing)				
Degree of protection	IP20				
Vibration & shock resistance	4.9m/s ²				
Overseas standards	CE marking, RoHS (Restriction of Hazardous Substances)				
Motor type	Pulse motor				
Encoder type	Incremental / battery-less absolute				
Number of encoder pulses	800 pulse/rev				

(Note 1) Based on the standard rated operation life of 5000 km. Operation life varies according to operating and mounting conditions.

Table of Payload by Speed and Acceleration/Deceleration

	Energy-saving disabled	The unit for payload is kg.
--	------------------------	-----------------------------

Orientation							
Speed	Acceleration (G)						
(mm/s)	0.3	0.5	0.7	1			
0	11	10	8	7			
200	11	10	8	7			
300	11	8.5	7	6			
600	7	5	4	3			
1000	4	3	2	1			
1200	3	2	1	0.5			
1400	2	1	1	0.5			
1500	2	1	1	0.5			

Energy-sa	aving enabled The unit fo	r payload is kg.			
Orientation	Horizontal				
Speed	Accelera	ation (G)			
(mm/s)	0.3	0.7			
0	3	2			
800	3	2			
1400	0.5	0.5			

Stroke and maximum speed									
Energy saving	300 (mm)	400 (mm)	500 (mm)	600 (mm)	700 (mm)	800 (mm)	900~2600 (per 100mm)		
Disabled	890	1070	1220	1340	1400	1440	1500		
Enabled	890	1070	1220	1300	1350	14	00		

(Unit is mm/s)





Dimensions by stroke

Stroke	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600
L	559.5	659.5	759.5	859.5	959.5	1059.5	1159.5	1259.5	1359.5	1459.5	1559.5	1659.5	1759.5	1859.5	1959.5	2059.5	2159.5	2259.5	2359.5	2459.5	2559.5	2659.5	2759.5	2859.5
Α	483.8	583.8	683.8	783.8	883.8	983.8	1083.8	1183.8	1283.8	1383.8	1483.8	1583.8	1683.8	1783.8	1883.8	1983.8	2083.8	2183.8	2283.8	2383.8	2483.8	2583.8	2683.8	2783.8
В	466.5	566.5	666.5	766.5	866.5	966.5	1066.5	1166.5	1266.5	1366.5	1466.5	1566.5	1666.5	1766.5	1866.5	1966.5	2066.5	2166.5	2266.5	2366.5	2466.5	2566.5	2666.5	2766.5
С	320	120	220	320	120	220	320	120	220	320	120	220	320	120	220	320	120	220	320	120	220	320	120	220
D	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8
E	4	6	6	6	8	8	8	10	10	10	12	12	12	14	14	14	16	16	16	18	18	18	20	20
J	330	430	530	630	730	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330	2430	2530	2630

Mass by stroke

Str	oke	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600
Woight	W/o Brake	2.7	3.0	3.4	3.7	4.0	4.3	4.7	5.0	5.3	5.6	5.9	6.3	6.6	6.9	7.2	7.5	7.8	8.2	8.5	8.8	9.2	9.5	9.8	10.2
(kg)	With Brake	3.0	3.3	3.7	4.0	4.3	4.6	5.0	5.3	5.6	5.9	6.2	6.6	6.9	7.2	7.5	7.8	8.1	8.5	8.8	9.1	9.5	9.8	10.1	10.5

Note: B6SU also has the same mass.

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Applicable controller
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(Note) The EC series is equipped with a built-in controller.





Table of power supply and I/O cables										
Standard connector cable										
Cable Cable code length		User wiring specification (no connector)	RCON-EC connection specification (with connec- tors on both sides) (Note 1)							
0	Without cable (with connector)	Only a terminal block connector is included								
1~3	1 ~ 3m									
4~5	4 ~ 5m	CB-EC-PWBIO	CB-REC-PWBIO							
6~7	6 ~ 7m	included (Note 2)								

8~10 8~10m

(Note 1) When optional RCON-EC connection spec. (ACR) is selected. (Note 2) Robot cable.

4-directional connector cable

Cable code	Cable length	User wiring specification (no connector)	RCON-EC connection specification (with connec- tors on both sides) (Note 1)			
S1 ~ S3	1 ~ 3m					
S4 ~ S5	4 ~ 5m	CB-EC2-PWBIO	CB-REC2-PWBIORB included (Note 2)			
S6 ~ S7	6~7m	included (Note 2)				
S8 ~ S10	8~10m					

(Note 1) When optional RCON-EC connection spec. (ACR) is selected. (Note 2) Robot cable.

	280mm in the Ma, Mb and Mc directions.
(6)	The center of gravity of the attached object should
	be less than 1/2 of the overhand distance. Even when
	the overhang distance and load moment are within
	the allowable range, the operating conditions should
	be moderated if some abnormal vibration or noise is
	observed.

Option		
Name	Option code	Reference page
RCON-EC connection specification (Note 1)	ACR	10
Brake	В	10
Specified grease applied specification (Note 2)	G5	10
Non-motor end specification	NM	10
PNP specification	PN	10
Twin power supply specification	TMD2	10
Battery-less absolute encoder specification	WA	10
Wireless communication specification	WL	10
Wireless axis operation specification	WL2	10

(Note 1) When selecting RCON-EC connection specification (ACR), PNP specification (PN) and twin power source specification (TMD2) cannot be selected.
(Note 2) Change grease to food grade.



Description

Dedicated aluminum extruded material (A6063SS-T5

Timing belt 9mm width 3mm pitch 48mm lead

Main Specifications

		Item	Description
	Daylaad	Maximum payload (energy- saving disabled) (kg)	20
al	Payloau	Maximum payload (energy- saving enabled) (kg)	14
ont		Max. speed (mm/s)	1600
oriz	C 1/	Min. speed (mm/s)	100
Ť	Speed/ acceleration/	Rated acceleration/ deceleration (G)	0.3
		Max. accleration/ deceleration (G)	1.0
Brake		Brake holding specification	Non-excitation actuating solenoid brake
		Brake holding force (kgf)	2.5
		Min. stroke (mm)	300
Strol	ke	Max. stroke (mm)	2600
		Stroke pitch (mm)	100

B		Base	Equivalent) Black alumite treatment				
		Linear guide	Linear motion infinite circulating type				
		C	Ma: 79 N ⋅ m				
		Static allowable	Mb: 114 N • m				
		moment	Mc: 157 N ⋅ m				
		Dynamic	Ma: 17 N · m				
		allowable moment	Mb: 25 N · m				
		(Note 1)	Mc: 34 N • m				
		Ambient operation temperature/ humidity	0~40°C, 85%RH or less (Non-condensing)				
		Degree of protection	IP20				
		Vibration & shock resistance	4.9m/s ²				
		Overseas standards	CE marking, RoHS (Restriction of Hazardous Substances)				
		Motor type	Pulse motor				
		Encoder type	Incremental / battery-less absolute				
		Number of encoder pulses	800 pulse/rev				

(Note 1) Based on the standard rated operation life of 5000 km. Operation life varies according to operating and mounting conditions.

Item

±0.08mm

Driving system

Positioning

repeatability

	Table of Pag	yload by Spee	d and Acce	leration/Dec	eleratio
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Energy-saving disabled	The unit for payload is kg.

2

Mc (Rolling)

Mb (Yawing)

Direction of moment for the Slider type

82

Ma (Pitching)

()

Orientation	Horizontal								
Speed	Acceleration (G)								
(mm/s)	0.3	0.5	0.7	1					
0	20	20	18	16					
100	20	20	18	16					
200	20	20	17	15					
300	19	17	15	13					
600	11	9	8	7					
1000	6	5	4	3					
1400	3	2	1	0.5					
1600	3	2	1	0.5					

Energy-s	aving enabled The unit for	r payload is kg.
Orientation	Horiz	contal
Speed	Accelera	ation (G)
(mm/s)	0.3	0.7
0	14	12
100	14	12
400	10	8
800	5	3
1200	1	0.5

Stroke and maximum speed Energy 300 400 500 600 700 800 900 1000~2600 saving (mm) (mm) (mm) (mm) (mm) (mm) (mm) (per 100mm) Disabled 890 1070 1220 1340 1450 1520 1550 1600 Enabled 890 1070 1200 1120

(Unit is mm/s)



Dimensions by stroke

Stroke	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600
L	587.5	687.5	787.5	887.5	987.5	1087.5	1187.5	1287.5	1387.5	1487.5	1587.5	1687.5	1787.5	1887.5	1987.5	2087.5	2187.5	2287.5	2387.5	2487.5	2587.5	2687.5	2787.5	2887.5
Α	502.3	602.3	702.3	802.3	902.3	1002.3	1102.3	1202.3	1302.3	1402.3	1502.3	1602.3	1702.3	1802.3	1902.3	2002.3	2102.3	2202.3	2302.3	2402.3	2502.3	2602.3	2702.3	2802.3
В	485	585	685	785	885	985	1085	1185	1285	1385	1485	1585	1685	1785	1885	1985	2085	2185	2285	2385	2485	2585	2685	2785
C	310	410	110	210	310	410	110	210	310	410	110	210	310	410	110	210	310	410	110	210	310	410	110	210
D	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
E	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
J	330	430	530	630	730	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330	2430	2530	2630

Mass by stroke

Str	oke	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600
14/+:	W/o Brake	4.6	4.9	5.2	5.6	5.9	6.2	6.5	6.8	7.1	7.5	7.8	8.1	8.4	8.7	9.1	9.4	9.7	10.0	10.3	10.7	11.0	11.3	11.6	12.0
(kg)	With Brake	5.1	5.4	5.7	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.6	9.9	10.2	10.5	10.8	11.2	11.5	11.8	12.1	12.5

Note: B7SU also has the same mass.

Applicable controller

(Note) The EC series is equipped with a built-in controller.

Options for the EleCylinder series
RCON-EC connection specification * This option cannot be selected together with TMD2 or PN option (ACR option includes 2-circuit power supply)
Description This option has to be selected when connecting to the field network via R-unit. * With this option, the power supply is 2-circuit and IO is NPN. Therefore it cannot be selected together with TMD2 or PN option.
Brake
Model B
Description This works as a holding mechanism that prevents the slider moving when the power or servo is turned off.
Specified grease applied specification
Model G5
Description The grease put on the ballscrew, linear guide, and rod, is changed to food grade grease (White Alcom).
Non-motor end specification
Model NM
Description Although the home position is usually located on the motor side, it can be reversed as an option according to the requirement of the facility layout.
PNP specification
Model PN
Description The EC series offers NPN specification input/output for connecting external devices as standard. Specifying this option changes input/output to PNP specification.
Split motor and controller power supply specification
Model TMD2
Description Optional item to supply motor power and control power separately. Please refer to P. 13 for wiring details.
Battery-less Absolute Encoder specification
Model WA
Description The EC series offers incremental encoder specification as standard. Specifying this option installs a built-in battery-less absolute encoder.
Wireless communication specification
Model WL
Description Optional item is for wireless communications. By specifying this option, wireless communications with the teaching pendant TB-03 become available.
Wireless axis-operation specifications
Model WL2
Description By specifying WL2, all the wireless operations of WL (adjusting the starting point, the end point, and the AVD) are available, and test operation of axis movements (moving to forward/backward ends, jogging, and inching) are also possible. However, using this function for automated operations is not possible. Alterations from WL to WL2, or vice versa cannot be made by customer. Please contact IAI for more details.



List of Accessories

Power / I/O cables, connectors

[Standard connector]

Product	category	
Power / I/O cable length (selected with actuator model)	RCON-EC connection specification (ACR) selection	Accessory
	No	Power / I/O connector (1-1871940-6)
0	Yes	—
1 10	No	Power / I/O cable (CB-EC-PWBIO□□□-RB)
1~10	Yes	Power / I/O cable (CB-REC-PWBIO□□□-RB)

[Four-way connector]

Product	category	
Power / I/O cable length (selected with actuator model)	RCON-EC connection specification (ACR) selection	Accessory
	No	Power / I/O cable (CB-EC2-PWBIO
51~510	Yes	Power / I/O cable (CB-REC2-PWBIO - RB)



Basic Controller Specifications

	Specification it	em	Specification content		
Number of	controlled axes		1 axis		
Power supp	ly voltage		24VDC ±10%		
Power capa	city	Standard	With energy-saving setting disabled: Rated 3.5A, Max. 4.2A With energy-saving setting enabled: Max. 2.2A		
Brake releas	e power supply	1	24VDC $\pm 10\%$, 200mA (only for external brake release)		
Generated l	neat		8W (at 100% duty)		
Inrush curre	ent (Note 1)	Standard	8.3A (with inrush current limit circuit)		
Momentary	power failure resista	ince	Max. 500µs		
Motor size			□42, □56		
Motor rated	current		1.2A		
Motor contr	ol system		Weak field-magnet vector control		
Supported e	encoders		Incremental (800 pulse/rev), battery-less absolute encoder (800 pulse/rev)		
SIO			RS485 1ch (Modbus protocol compliant)		
		No. of input	3 points (forward, backward, alarm clear)		
		Input voltage	24VDC ±10%		
	Input	Input current	5mA per circuit		
	specification	Leakage current	Max. 1mA/1 point		
		Isolation method	Non-isolated		
PIO		No. of output	3 points (forward complete, backward complete, alarm)		
		Output voltage	24VDC ±10%		
	Output	Output current	50mA/1 point		
	specification	Residual voltage	2V or less		
		Isolation method	Non-isolated		
Data setting	and input methods		Teaching software for PC, touch panel teaching pendant		
Data retenti	on memory		Position and parameters are saved in non-volatile memory. (No limit to rewrite)		
	Controller status dis	splay	Servo ON (green light ON) / Alarm (red light ON) / Initializing when power comes ON (orange light ON) / Minor failure alarm (green/red alternately blinking) / Operation from teaching: Stop from teaching (red light ON) / Servo OFF (light OFF)		
LED display	Wireless status dis	play	Initializing wireless hardware, without wireless connection, or connecting from TP board (light OFF) Connecting through wireless (green blinking) / Wireless hardware error (red blinking) / Initializing when power comes ON (orange light ON)		
Predictive n	naintenance/Prevent	reventative maintenance When the number of movements or operation distance has exceeded the set value and when the LED (right side) blinks alternately green and red at overload warning * Only when configured in advance			
Ambient op	erating temperature		0 to 40°C		
Ambient op	erating humidity		85% RH or less (no condensation or freezing)		
Operating a	mbience		Avoid corrosive gas and excessive dust		
Insulation re	esistance		500VDC 10MΩ		
Electric sho	ck protection mecha	nism	Class 1 basic insulation		
Cooling me	thod		Natural air cooling		

(Note 1) Inrush current flows for approximately 5ms after the power is input (At 40°C). Inrush current value differs depending on the impedance on the power supply line.

I/O Specification (Input/Output specifications)

	opeeiii				
I/	0		Input	C	Output
		Input voltage	DC24V±10%	Load voltage	DC24V±10%
		Input current	5mA/circuit	Max. load current	50mA/point
Specifi	cations	ON/OFF Voltage	ON voltage MIN DC18V OFF voltage MAX DC6V	Residual voltage	2V or less
		Leak current	MAX 1mA/point	Leak current	MAX 0.1mA/point
Insulation	n method	Not isolated	from external circuit	Not isolated fr	om external circuit
I/O	NPN	Internal Sector	volta	tream the second	Esternal power sept-Date Output terminal
logic	PNP	Extend power supply 240' input terminal		thermal juice	150 Copd terminal

(Note) Isolation method is non-isolated. When connecting an external device (such as a PLC) to EleCylinder, use the same ground as EleCylinder.

I/O Specification Wiring Diagram





I/O Signal Table

		,	
	Pov	ver / I/O connector pin assignr	nent
Pin No.	Connector nameplate name	Signal abbreviation	Function overview
B3	Backward	ST0	Backward command
B4	Forward	ST1	Forward command
B5	Alarm cancel	RES	Alarm cancel
A3	Backward complete	LSO/PE0	Backward complete/push complete
A4	Forward complete	LS1/PE1	Forward complete/push complete
A5	Alarm	* ALM	Alarm detection (b-contact)
B2	Brake release	BKRLS	Brake forced release (for brake equipped specification)
B1 (Note)	24V	24V	24V input
A1	0V	0V	0V input
A2 (Note)	(24V)	(24V)	24V input

(Note) For the twin power supply specification (TMD2), B1 is 24V (drive) and A2 is 24V (control).

Options

Touch Panel Teaching Pendant with Wireless Function

Features A teaching device that supports wireless connection. Start point/end point/AVD input and axis operation can be performed with wireless connection for WL option. Manual operation is wirelessly possible for WL2 option.

■ Model TB-03- (Please contact IAI for the current supported versions.)

Configuration Wireless or wired connection



Specifications

Rated voltage	24VDC
Power consumption	3.6W or less (150mA or less)
Ambient operating temperature	0 to 40°C
Ambient operating humidity	20 to 85% RH (Non-condensing)
Environmental resistance	IPX0
Mass	Approx. 485g (body) + approx. 175g (battery)
Charging method	Wired connection with dedicated adapter/controller
Wireless connection	Bluetooth 4.2 class2

Teaching software for PC (Windows only)

Features The start-up support software comes equipped with functions such as position teaching, trial operation, and monitoring.

A complete range of functions needed for making adjustments contributes to shortened start-up time.





Supported Windows versions: 7/8/10











Maintenance Parts

When placing an order for a replacement cable after purchasing a product, please use the model name shown below.

Table of compatible cables

Cable type	Cable model
Power / I/O cable (user-wired specification)	CB-EC-PWBIO
Power / I/O cable (user-wired specification, four-way connector)	CB-EC2-PWBIO
Power / I/O cable (RCON-EC connection specification)	CB-REC-PWBIO
Power / I/O cable (RCON-EC connection specification, four-way connector)	CB-REC2-PWBIO

*Please indicate the cable length (L) in \Box (for example, 030 = 3m)



*Only the robot cable is available for this model.

Color	Signal name	Pin No.
Black (AWG18)	0V	A1
Red (AWG18)	24V	B1
ight blue (AWG22)	(Reserved) (Note 1)	A2
Drange (AWG26)	IN0	B3
(ellow (AWG26)	IN1	B4
Green (AWG26)	IN2	B5
Pink (AWG26)	(Reserved)	B6
Blue (AWG26)	OUTO	A3
Purple (AWG26)	OUT1	A4
Gray (AWG26)	OUT2	A5
White (AWG26)	(Reserved)	A6
Brown (AWG26)	BKRLS	B2

(Note 1) 24V (control) when split motor and controller power supply specification (TMD2) selected.

Actuator side

*Please indicate the cable length (L) in \Box (for example, 030 = 3m)



Minimum bending radius r = 58mm or more (dynamic bending) *Robot cable is standard.





COIDI	signai name	PIN NO.	
Black (AWG18)	0V	A1	
Red (AWG18)	24V	B1	
Light blue (AWG22)	(Reserved) (Note 1)	A2	
Orange (AWG26)	INO	B3	
Yellow (AWG26)	IN1	B4	
Green (AWG26)	IN2	B5	
Pink (AWG26)	(Reserved)	B6	
Blue (AWG26)	OUT0	A3	<u> </u>
Purple (AWG26)	OUT1	A4	
Gray (AWG26)	OUT2	A5	
White (AWG26)	(Reserved)	A6]
Brown (AWG26)	BKRLS	B2	<u> </u>

supply specification (TMD2) selected.

*Please indicate the cable length (L) in □□□, maximum 10m (for example, 030 = 3m)





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