

# Wiring Method for LECPA

● Electric actuators

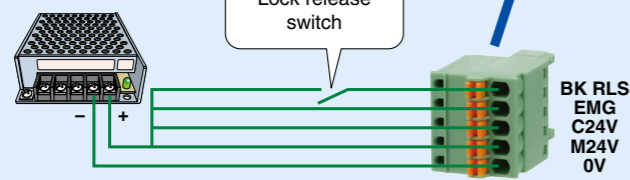
- Series LEF
- Series LEY
- Series LES
- Series LEH
- Series LER
- Series LEP



● Actuator cable

Standard cable	Robotic cable
LE-CP-□-□-S	LE-CP-□-□

Power supply for driver  
24 VDC (Provided by customer)



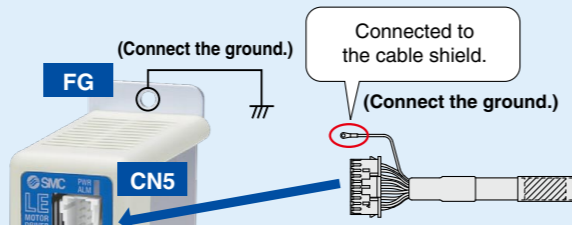
● Power supply plug (Accessory)  
Power supply cable should be provided and wired by the customer.  
[Applicable cable size]: AWG20

Power Supply Plug Terminal

Terminal name	Function
BK RLS	Input (+) for releasing the lock
EMG	Input (+) for releasing the stop
C24V	Control power supply (+) of the driver
M24V	Motor power supply (+)
0V	Common (-) for BK RLS, EMG, C24V, M24V

● I/O cable

Part no.: LE-CL5-□



Options

● Controller setting kit  
(Controller setting software (CD-ROM), communication cable, USB cable)  
Part no.: LEC-W2

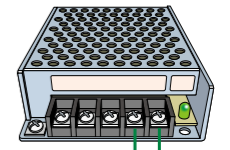
● Communication cable  
(3 m)

● USB cable  
(A-mini B type) (Provided by customer)  
(0.3 m)

Or

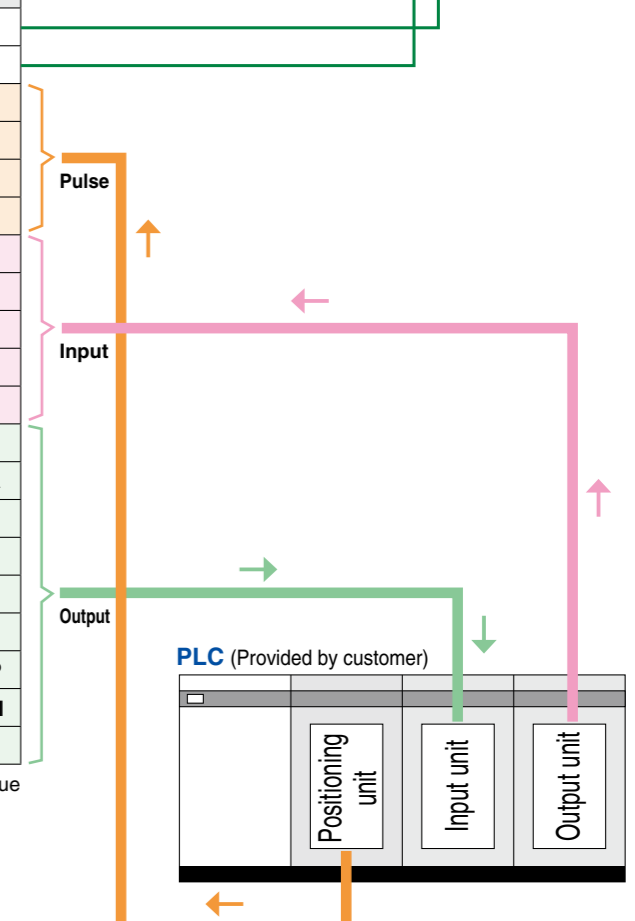
● Teaching box  
(With 3 m cable)  
Part no.: LEC-T1-3JG□

Power supply for I/O signal  
24 VDC  
(Provided by customer)



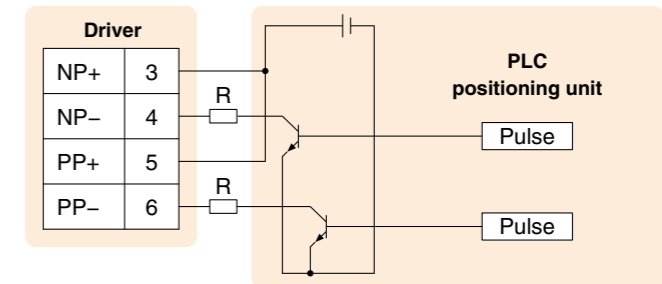
Connector pin no.	Cable color	Dot mark (color)	Terminal name
1	Light brown	■ (Black)	COM+
2	Light brown	■ (Red)	COM-
3	Yellow	■ (Black)	NP+
4	Yellow	■ (Red)	NP-
5	Light green	■ (Black)	PP+
6	Light green	■ (Red)	PP-
7	Gray	■ (Black)	SETUP
8	Gray	■ (Red)	RESET
9	White	■ (Black)	SVON
10	White	■ (Red)	CLR
11	Light brown	■ (Black)	TL
12	Light brown	■ (Red)	TLOUT
13	Yellow	■ (Black)	WAREA
14	Yellow	■ (Red)	BUSY
15	Light green	■ (Black)	SETON
16	Light green	■ (Red)	INP
17	Gray	■ (Black)	SVRE
18	Gray	■ (Red)	*ESTOP
19	White	■ (Black)	*ALARM
20	White	■ (Red)	AREA

The "\*ALARM" and "\*ESTOP" are the negative-true logic output.



Open collector input for 2 pulse

For NPN type output



Specifications of the Current Limit Resistor R to Be Used

Pulse signal power supply voltage	Current limit resistor R specifications
24 VDC±10%	3.3 kΩ±5% (0.5 W or more)
5 VDC±5%	390 Ω±5% (0.1 W or more)

Current limit resistor is not included.  
Order with the following part number if necessary.  
Option part no.:  
• LEC-PA-R-332  
3.3 kΩ±5% (0.5 W or more)  
• LEC-PA-R-391  
390 Ω±5% (0.1 W or more)

Note) —: Provided by customer.