

Continuous Rotation Specification

Electric Rotary Table

LER Series LER10, 30, 50

Applicable to the
LEC□ seriesRefer to page 416-1 for the communication protocols EtherCAT®,
EtherNet/IP™, PROFINET, DeviceNet™, and IO-Link.

How to Order

LER □ 10 K - 1 □ - R1 6N 1 □

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Table accuracy

Nii	Basic type
H	High precision type

② Size

10
30
50

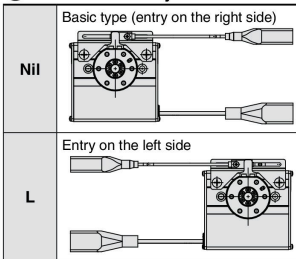
Rotation angle [°]

1	360
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③ Max. rotating torque [N-m]

Symbol	Type	LER10	LER30	LER50
K	High torque	0.32	1.2	10
J	Basic	0.22	0.8	6.6

④ Motor cable entry

⑦ I/O cable length [m]^{*1}, Communication plug

	Without cable (Without communication plug connector) ^{*2}
1	1.5
3	3
5	5
S	Straight type communication plug connector ^{*2}
T	T-branch type communication plug connector ^{*2}

^{*1} When "Without controller" is selected for controller types, I/O cable cannot be selected. Refer to page 568 if I/O cable for LECP6 is required.

^{*2} For the LECPMJ, only "Nii", "S" and "T" are selectable since I/O cable is not included.

⑤ Actuator cable type/length

Nii	Without cable
S1	Standard cable 1.5 m
S3	Standard cable 3 m
S5	Standard cable 5 m
R1	Robotic cable 1.5 m
R3	Robotic cable 3 m
R5	Robotic cable 5 m
R8	Robotic cable 8 m ^{*1}
RA	Robotic cable 10 m ^{*1}
RB	Robotic cable 15 m ^{*1}
RC	Robotic cable 20 m ^{*1}

^{*1} Produced upon receipt of order (Robotic cable only)

^{*2} The standard cable should only be used on fixed parts. For use on moving parts, select the robotic cable.

⑧ Controller mounting

Nii	Screw mounting
D	DIN rail mounting [*]

^{*} DIN rail is not included. Order it separately.

⑥ Controller type^{*1}

	Without controller	
Nii	LECP6	NPN
6N	(Step data input type)	PNP
MJ	LECPMJ ^{*2} (CC-Link direct input type)	—

^{*1} For details about controller and compatible motor, refer to the compatible controller below. The LECP1 and LECPA cannot be selected.

^{*2} Not applicable to CE.

⚠ Caution

[CE-compliant products]

① EMC compliance was tested by combining the electric actuator LER series and the controller LEC series.

The EMC depends on the configuration of the customer's control panel and the relationship with other electrical equipment and wiring. Therefore, conformity to the EMC directive cannot be certified for SMC components incorporated into the customer's equipment under actual operating conditions. As a result, it is necessary for the customer to verify conformity to the EMC directive for the machinery and equipment as a whole.

② CC-Link direct input type (LECPMJ) is not CE-compliant.

[UL-compliant products]

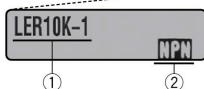
When conformity to UL is required, the electric actuator and controller should be used with a UL1310 Class 2 power supply.

The actuator and controller are sold as a package.

Confirm that the combination of the controller and the actuator is correct.

<Check the following before use.>

- Check the actuator label for model number. This matches the controller.
- Check Parallel I/O configuration matches (NPN or PNP).



^{*} Refer to the operation manual for using the products. Please download it via our website, <http://www.smcworld.com>

Compatible Controller

Type	Step data input type	CC-Link direct input type
Series	LECP6	LECPMJ
Features	Value (Step data) input Standard controller	CC-Link direct input
Compatible motor	Step motor (Servo/24 VDC)	
Maximum number of step data	64 points	
Power supply voltage	24 VDC	
Reference page	Page 560	Page 600