

Applicable to the
LEC□ series

Electric Rotary Table

LER Series LER10, 30, 50



How to Order

Refer to page 410-1 for the communication protocols EtherCAT®, EtherNet/IP™, PROFINET, DeviceNet™, and IO-Link.

LER 10 K - - R1 6N 1

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Table accuracy

Nil	Basic type
H	High precision type

② Size

10
30
50

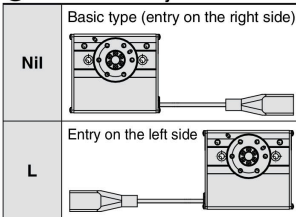
③ Max. rotating torque [N·m]

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

④ Rotation angle [°]

Symbol	LER10	LER30	LER50
Nil	310		320
2	External stopper: 180		
3	External stopper: 90		

⑤ Motor cable entry



⑥ Actuator cable type/length

Symbol	Type	LER10	LER30	LER50
Nil	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.

⑨ Controller/Driver mounting

Nil	Screw mounting
D	DIN rail mounting*

* DIN rail is not included. Order it separately.

⑦ Controller/Driver type*1

Symbol	Without controller/driver	
6N	LECP6	NPN
6P	(Step data input type)	PNP
1N	LECP1	NPN
1P	(Programless type)	PNP
MJ	LECPMJ ^{*2}	—
	(CC-Link direct input type)	
AN	LECPA ^{*3}	NPN
AP	(Pulse input type)	PNP

- *1 For details about controller/driver and compatible motor, refer to the compatible controller/driver below.
 *2 Not applicable to CE.
 *3 When pulse signals are open collector, order the current limiting resistor (LEC-PA-R-□) on page 596 separately.

⑧ I/O cable length [m]^{*1}, Communication plug

Symbol	Type	LER10	LER30	LER50
Nil	Without cable (Without communication plug connector) ^{*3}			
1		1.5		
3		3 ^{*2}		
5		5 ^{*2}		
S	Straight type communication plug connector ^{*3}			
T	T-branch type communication plug connector ^{*3}			

- *1 When "Without controller/driver" is selected for controller/driver types, I/O cable cannot be selected. Refer to page 568 (For LECP6), page 582 (For LECP1) or page 596 (For LECPA) if I/O cable is required.
 *2 When "Pulse input type" is selected for controller/driver types, pulse input usable only with differential. Only 1.5 m cables usable with open collector.
 *3 For the LECPMJ, only "Nil", "S" and "T" are selectable since I/O cable is not included.

⚠ 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/driver should be used with a UL1310 Class 2 power supply.

Compatible Controller/Driver

Type	Step data input type	CC-Link direct input type	Programless type	Pulse input type
Series	LECP6	LECPMJ	LECP1	LECPA
Features	Value (Step data) input/Standard controller	CC-Link direct input	Capable of setting up operation (step data) without using a PC or teaching box	Operation by pulse signals
Compatible motor	Step motor (Servo/24 VDC)			
Maximum number of step data	64 points		14 points	—
Power supply voltage	24 VDC			
Reference page	Page 560	Page 600	Page 576	Page 590

The actuator and controller/driver are sold as a package.

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

<Check the following before use.>

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

LER10K-2

NPN

①

②

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