

Recommended Parameter Values by Actuator Model(LECSS)

These are the "Recommended parameter values" for the LECSS driver for each actuator.
(Setup Software(MR Configurator2™) : For part No. LEC-MRC2E)

These recommended parameter values have been created for actuator with stroke less than 1000 mm.

Please change the parameter values according to the customer application.
Refer to "LECSS Operation Manual", section 5 for details.

Recommended Parameter Values [LEF]

Series			LEFS25			LEFS32			LEFS40		
	Lead symbol		H	A	B	H	A	B	H	A	B
	Lead		20	12	6	24	16	8	30	20	10
Parameter *1,*2	Para. No.	Initial value	Recommended value								
Regenerative option	PA02	0000	0000(Non) / 0002(LEC-MR-RB-032)								
Rotation direction selection	PA14	0	1(+: Counter motors side)								
Adaptive tuning mode	PB01	0000	0000								
Load to motor inertia moment ratio	PB06	7	7								
Machine resonance suppression filter 1	PB13	4500	4500								
Notch shape selection 1	PB14	0000	0000								

Series			LEFB25	LEFB25U	LEFB32	LEFB32U	LEFB40	LEFB40U
	Lead symbol		S					
	Lead		54					
Parameter *1,*2	Para. No.	Initial value	Recommended value					
Regenerative option	PA02	0000	0000(Non) / 0002(LEC-MR-RB-032)					
Rotation direction selection	PA14	0	1(+: Counter motors side)	0(+: Counter motors side)	1(+: Counter motors side)	0(+: Counter motors side)	1(+: Counter motors side)	0(+: Counter motors side)
★ Adaptive tuning mode	PB01	0000	0002		0000			
★ Load to motor inertia moment ratio	PB06	7	50					
★ Machine resonance suppression filter 1	PB13	4500	400		4500			
★ Notch shape selection 1	PB14	0000	0030		0000			

★ Parameter should be changed.

Different from the initial value.

*1 This Parameter is the recommended value. Please change this parameter to an appropriate value for your operating method.

*2 A mechanical resonance may occur depending on the configuration or the mounting orientation of the transferred object. Please change the parameter in the initial setting.

*3 When the motor mounting position is right side parallel (LEFS*R) or left side parallel (LEFS*L), the rotation direction selection is 0(+: Counter motors side).

* For LECSS, please set the electronic gear with PC, PLC etc. in your application.

Recommended Parameter Values [LEJ]

Series			LEJS40			LEJS63			LEJB40	LEJB63
	Lead symbol		H	A	B	H	A	B	T	
	Lead		24	16	8	30	20	10	27	42
Parameter *1,*2	Para. No.	Initial value	Recommended value							
Regenerative option	PA02	0000	0000(Non) / 0002(LEC-MR-RB-032) / 0003(LEC-MR-RB-12)							
Rotation direction selection	PA14	0	1 (+: Counter motors side)						0 (+: Counter motors side)	
★Adaptive tuning mode	PB01	0000	0000						0002	0000
★Load to motor inertia moment ratio	PB06	7	7						50	
★Machine resonance suppression filter 1	PB13	4500	4500						400	4500
★Notch shape selection 1	PB14	0000	0000						0030	0000

★ Parameter should be changed.

Different from the initial value.

*1 This Parameter is the recommended value. Please change this parameter to an appropriate value for your operating method.

*2 A mechanical resonance may occur depending on the configuration or the mounting orientation of the transferred object. Please change the parameter in the initial setting.

* For LECSS, please set the electronic gear with PC, PLC etc. in your application.

Recommended Parameter Values [LEY]

Series			LEY25/ LEYG25			LEY25D/ LEYG25D			LEY32/ LEYG32			LEY32D/ LEYG32D					
			Lead symbol			A	B	C	A	B	C	A	B	C	A	B	C
			Lead			12	6	3	12	6	3	20	10	5	16	8	4
Parameter *1,*2		Para. No	Initial value	Recommended value													
Regenerative option		PA02	0000	0000 (Non)/ 0002 (LEC-MR-RB-032)													
Rotation direction selection		PA14	0	0 (+: Counter motors side)			1 (+: Counter motors side)			0 (+: Counter motors side)			1 (+: Counter motors side)				
Adaptive tuning mode		PB01	0000	0000													
Load to motor inertia moment ratio		PB06	7	7													
Machine resonance suppression filter 1		PB13	4500	4500													
Notch shape selection 1		PB14	0000	0000													

Series			LEY63				LEY63D		
	Lead symbol		A	B	C	L	A	B	C
	Lead		20	10	5	2.86	20	10	5
Parameter *1,*2	Para. No	Initial value	Recommended value						
Regenerative option	PA02	0000	0000 (Non)/ 0002 (LEC-MR-RB-032)/ 0003 (LEC-MR-RB-12)						
Rotation direction selection	PA14	0	0 (+ : Counter motors side)				1 (+ : Counter motors side)		
Adaptive tuning mode	PB01	0000	0000						
Load to motor inertia moment ratio	PB06	7	7						
Machine resonance suppression filter 1	PB13	4500	4500						
Notch shape selection 1	PB14	0000	0000						

 Different from the initial value.

*1 This Parameter is the recommended value. Please change this parameter to an appropriate value for your operating method.

*2 A mechanical resonance may occur depending on the configuration or the mounting orientation of the transferred object. Please change the parameter in the initial setting.

* For LECSS, please set the electronic gear with PC, PLC etc. in your application.