

Recommended Parameter Values by Actuator Model(LECYM)

These are the "Recommended parameter values" for the LECYM driver for each actuator.

(For Setup Software(SigmaWin+™))

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.

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.


Refer to "LECYM Operation Manual", Section 4 and Section 5 and Section 10 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	Para. No	Initial value	Recommended value								
Servomotor Rotation Direction can	Pn000	0000	0001 (+: Counter motors side)								
Tuning-less Function Related Switch	Pn170	1401	1401								
Electronic Gear Ratio (Numerator) *1	Pn20E	4	65536								
Electronic Gear Ratio (Denominator) *1	Pn210	1	1250	750	375	1500	1000	500	1875	1250	625

Series			LEFS25(L,R)			LEFS32(L,R)			LEFS40(L,R)		
	Lead symbol		H	A	B	H	A	B	H	A	B
	Lead		20	12	6	24	16	8	30	20	10
Parameter	Para. No	Initial value	Recommended value								
Servomotor Rotation Direction can	Pn000	0000	0000 (+: Counter motors side)								
Tuning-less Function Related Switch	Pn170	1401	1401								
Electronic Gear Ratio (Numerator) *1	Pn20E	4	65536								
Electronic Gear Ratio (Denominator) *1	Pn210	1	1250	750	375	1500	1000	500	1875	1250	625

Series			LEFB25	LEFB25U	LEFB32	LEFB32U	LEFB40	LEFB40U
	Lead symbol		S					
	Lead		54					
Parameter	Para. No	Initial value	Recommended value					
Servomotor Rotation Direction can	Pn000	0000	0001 (+:Counter motors side)	0000 (+:Counter motors side)	0001 (+:Counter motors side)	0000 (+:Counter motors side)	0001 (+:Counter motors side)	0000 (+:Counter motors side)
Tuning-less Function Related Switch	Pn170	1401	1401				2301	
Electronic Gear Ratio (Numerator) *1	Pn20E	4	65536					
Electronic Gear Ratio (Denominator) *1	Pn210	1	3375					

 : Different from the initial value.

*1: The minimum unit of the travel distance of the actuator should be 1 [μm]. It is necessary to set it on the PLC side according to the kind of PLC.

Recommended Parameter Values [LEJ]

Recommended Parameter Values [22]

Series				LEJS40			LEJS63			LEJB40	LEJB63
	Lead symbol		H	A	B	H	A	B	T		
	Lead		24	16	8	30	20	10	27	42	
Parameter	Para. No	Initial value	Recommended value								
Servomotor Rotation Direction can	Pn000	0000	0001 (+: Counter motors side)							0000 (+: Counter motors side)	
Tuning-less Function Related Switch	Pn170	1401	1401								
Electronic Gear Ratio (Numerator) *1	Pn20E	4	65536							131072	65536
Electronic Gear Ratio (Denominator) *1	Pn210	1	1500	1000	500	1875	1250	625	3375	2625	

 : Different from the initial value.

*1: The minimum unit of the travel distance of the actuator should be 1 [μm]. It is necessary to set it on the PLC side according to the kind of PLC.

Recommended Parameter Values [LEY]

Recommended Parameter values [EE]			LEY25/ LEYG25			LEY25D/ LEYG25D			LEY32/LEYG32			LEY32D/ LEYG32D		
Series	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	Para. No	Initial value	Recommended value											
Servomotor Rotation Direction can	Pn000	0000	0000 (+: Counter motors side)			0001 (+: Counter motors side)			0000 (+: Counter motors side)			0001 (+: Counter motors side)		
Tuning-less Function Related Switch	Pn170	1401	1401											
Electronic Gear Ratio (Numerator) *1	Pn20E	4	65536		131072	65536		131072	65536		131072	65536		
Electronic Gear Ratio (Denominator) *1	Pn210	1	750	375	375	750	375	375	1250	625	625	1000	500	250

Series			LEY63				LEY63D		
	Lead symbol		A	B	C	L	A	B	C
	Lead (Including pulley ratio)		20	10	5	5(2.86) (Pulley ratio 4/7)	20	10	5
Parameter	Para. No	Initial value	Recommended value						
Servomotor Rotation Direction can	Pn000	0000	0000 (+: Counter motors side)				0001 (+: Counter motors side)		
Tuning-less Function Related Switch	Pn170	1401	1401						
Electronic Gear Ratio (Numerator) *1	Pn20E	4	65536		131072	229376	65536		131072
Electronic Gear Ratio (Denominator) *1	Pn210	1	1250	625	625	625	1250	625	625

 : Different from the initial value.

*1: The minimum unit of the travel distance of the actuator should be 1 [μm]. It is necessary to set it on the PLC side according to the kind of PLC.

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Note: Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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