

Servo Shaft _ 06A series Actuator and Component

Force

- Peak: 4.8-24.2N
- Continuous: 1.6-8.0N

Maximum Velocity

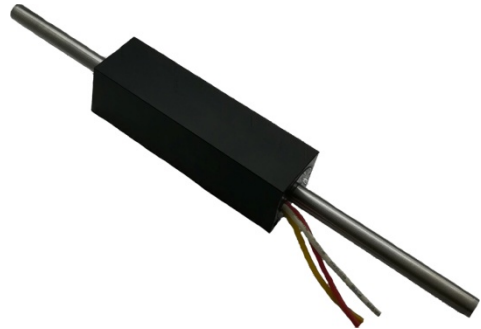
- Up to 3m/s

Built-in Feedback

- Can built-in position sensor

Range of motion

- 5mm-300mm



06A Series Electrical Specification:

Parameters	Unit	SLM0601A	SLM0602A	SLM0603A	SLM0604A	SLM0605A
Peak force	N	4.8	9.7	14.5	19.4	24.2
Continuous force	N	1.6	3.2	4.8	6.4	8.0
Peak current	A	2.1	2.1	2.1	2.1	2.1
Continuous current	A	0.7	0.7	0.7	0.7	0.7
Force constant	N/Arms	2.3	4.6	6.9	9.2	11.5
Back EMF constant	Vpk/m/s	1.88	3.76	5.64	7.52	9.4
Max speed	m/s	3	3	3	3	3
Peak acceleration	m/s/s	100	100	100	100	100
Max stroke	mm	300	300	300	300	300
Forcer W*H*L	mm	20*20*40	20*20*80	20*20*120	20*20*160	20*20*200
Rod diameter	mm	6	6	6	6	6
Built-in sensor	um	7.5	7.5	7.5	7.5	7.5
Encoder	um	0.1-5	0.1-5	0.1-5	0.1-5	0.1-5
Inductance (phase to phase)	mH	0.23	0.45	0.69	1.3	1.7
Resistance (phase to phase)	omiga	1.8	3.5	5.4	11.4	14
Pole pitch	mm	30	30	30	30	30
Forcer weight	g					
Rod weight	g/mm	0.214				

* Parameters tolerance: 10%

Motor Power Cable:

Color	White	Yellow	Red	Black
Sign	U	V	W	PE