Electric Grippers

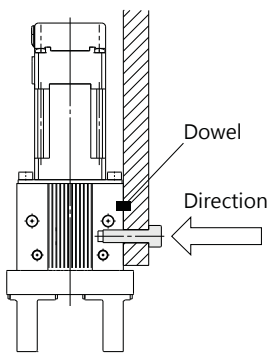
Model			LEF10	LEF16	LEF20	LEF25	LEF32	LEF40
	Open and close stroke mm		4	6	10	14	22	30
	Gripping force[N][1,3]	Basic	6~14		15~45		52~130	84~210
		Mini	2~6	3~8	11~28		–	–
	Open/Close speed [mm/s][2,3]		5~80 / 5~50		5~100 / 5~50		5~120 / 5~50	
	Driven		Sliding Screw + Sliding Cam					
	Guide		Linear Guide(no loop)					
	Repeatability mm [4]		±0.02					
	Measurement Repeatability mm [5]		±0.05					
	Gap [mm][6]		0.5 below				1.0 below	
	Shock/Vibration resistance m/s² [7]		150 / 30					
	Max Frequency [C.P.M]		60					
	Temp[°C]		5~40					
	Humidity[%RH]		90 below					
	Base weight[g]	Basic	165	220	430	585	1120	1760
		Mini	135	190	365	520	–	–
	Motor Size		□20		□28		□42	
	Motor Type		Stepper(with encoder DC24V)					
	Encoder		Relative Increment A / B phase(800 pulse/rotation)					
	Rated Voltage[V]		DC24±10%					
	Power consumption / Running standy powerW][8]	Basic	11 / 7		28 / 15		34 / 13	36 / 13
		Mini	8 / 7		22 / 12		–	–
	Inst Max Power [W][9]	Basic	19		51		57	61
		Mini	14		42		–	–

Notes:

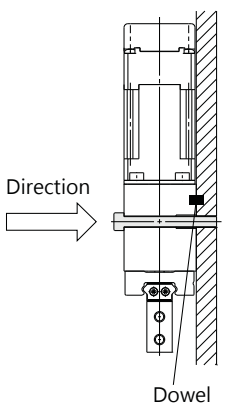
1. Gripping force is 10-20 times weight of object clamped. While releasing object, positioning thrust setting 150%, and gripping force accuracy as LEF10,LEF16:±30%(F.S);LEF20,LEF25: 25%(F.S);LEF32,40: 20%(F.S)
2. When closing, close speed should be below the value.
3. According to cable length, payload and installation, in the situation of speed and gripping force change, when cable length more than 5m, speed and gripping force reduce max 10%(more than 15m, reduce 20%).
4. Repeatability: represent as the closeness of movement of objects clamped under the same condition.
5. Measurement Repeatability: represent the deviation of objects clamped under the same condition.
6. When open, stroke becomes longer.
7. Shock/vibration resistance testing machine are conducted.
8. Power consumption: power consumed when running
   Running standby power consumption: standby power consumption.
9. Instant Max Power: represent max instant power while running.

Installation

a)



b)



c)