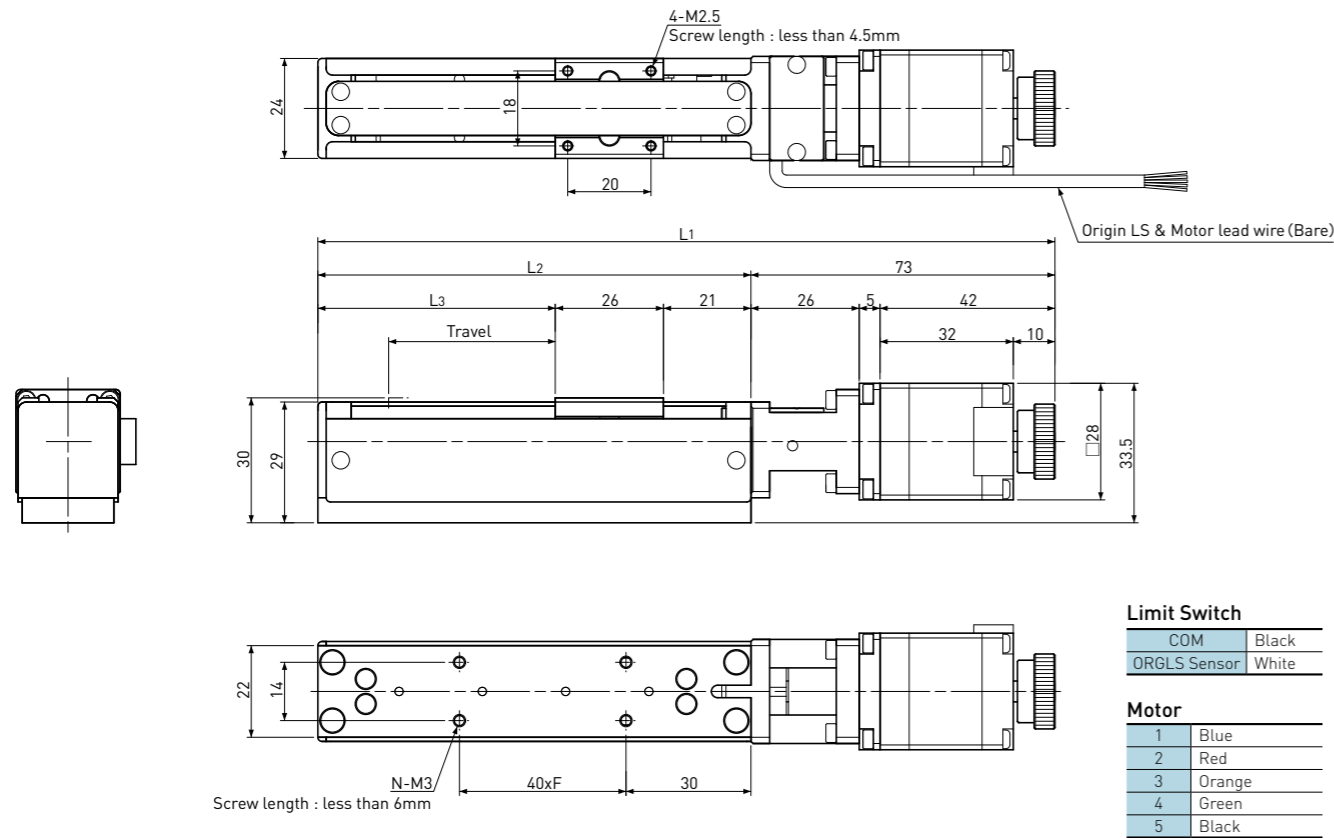


# Flex Actuator

## 5-phase Stepping Motor (0.75A / phase & □28) with Resin Lead Screw type Actuator



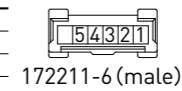
Motor Model : PK523HPB(Double shaft)  
Oriental Motor  
Driver recommendation : KR-A5CC KR-A55MC

### Connector choice

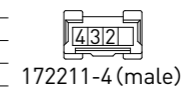
Please designate connector type below.  
No connector if there is no designation.  
1) None (Bare)  
2) RP17-13J-12SC (HIROSE)  
3) EI-Connector (Tyco Electronics)  
172211-6 pins for Motor + 172211-4 pins for Sensor

### HIROSE RP17 Connector

1	Stepping Motor (Blue)
2	Stepping Motor (Red)
3	Stepping Motor (Orange)
4	Stepping Motor (Green)
5	Stepping Motor (Black)
6	None
7	None
8	COM (Black)
9	Short circuit with No.8
10	ORGLS Sensor NC (White)
11	None
12	None



172211-6 (male)



172211-4 (male)

### EI Connector

1	Stepping Motor (Blue)
2	Stepping Motor (Red)
3	Stepping Motor (Orange)
4	Stepping Motor (Green)
5	Stepping Motor (Black)
6	None
1	None
2	COM (Black)
3	Short circuit with No.2
4	ORGLS Sensor NC (White)

### Note

- 1) Acceleration & deceleration rate is our recommendation.
- 2) There should be no condensation when using.
- 3) Permissible Moment is the number when no load in other direction.
- 4) Resolution represents the values for full step.
- 5) Model number is for no-connector and lead wire is set on right side on Motor

Model Number	Travel (mm)	Screw Lead (mm)	Resolution (μm)	Length (mm)			M-thread hole		Max. Load Capacity (N)		Permissible speed (mm / sec)	Mass (g)
				L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	F	N	Hor.	Vert.		
FAS-Re020-040ENR	40	2	4	177	104	57	1	4	9.8	4.9	0 ~ 30	260
FAS-Re060-040ENR		6	12									
FAS-Re090-040ENR		9	18									
FAS-Re020-080ENR	80	2	4	217	144	97	2	6	9.8	4.9	0 ~ 30	305
FAS-Re060-080ENR		6	12									
FAS-Re090-080ENR		9	18									
FAS-Re060-120ENR	120	6	12	257	184	137	3	8	9.8	4.9	0 ~ 90	345
FAS-Re090-120ENR		9	18									
FAS-Re060-160ENR	160	6	12	297	224	177	4	10	9.8	4.9	0 ~ 90	390
FAS-Re090-160ENR		9	18									
FAS-Re060-200ENR	200	6	12	337	264	217	5	12	9.8	4.9	0 ~ 90	430
FAS-Re090-200ENR		9	18									

Note 1) In case of Resin Lead Screw type, Lubrication is Sumitec Liquid H20 on Resin Lead Screw, Grease MSG No.2 on Guide.  
Note 2) Refer to page G135 or G136 for connection diagrams of recommended Driver (KR-A5CC, KR-A55MC).

Common Specifications	
Repeatability	Max. ±0.05mm
Lost Motion	Max. 0.05mm
Body Material	Aluminum
Sliding guide	Slide Guide rail
Sensor	Limit switch
Accuracy of Zero pt. return	Max. ±0.05mm
Acceleration & Deceleration Rate	Min. 40ms / kHz
Permissible Moment	
Pitching Mp	0.10Nm
Yawing My	0.09Nm
Rolling Mr	0.23Nm
Lubrication	See Note
Operating Temp.	0 ~ 40°C