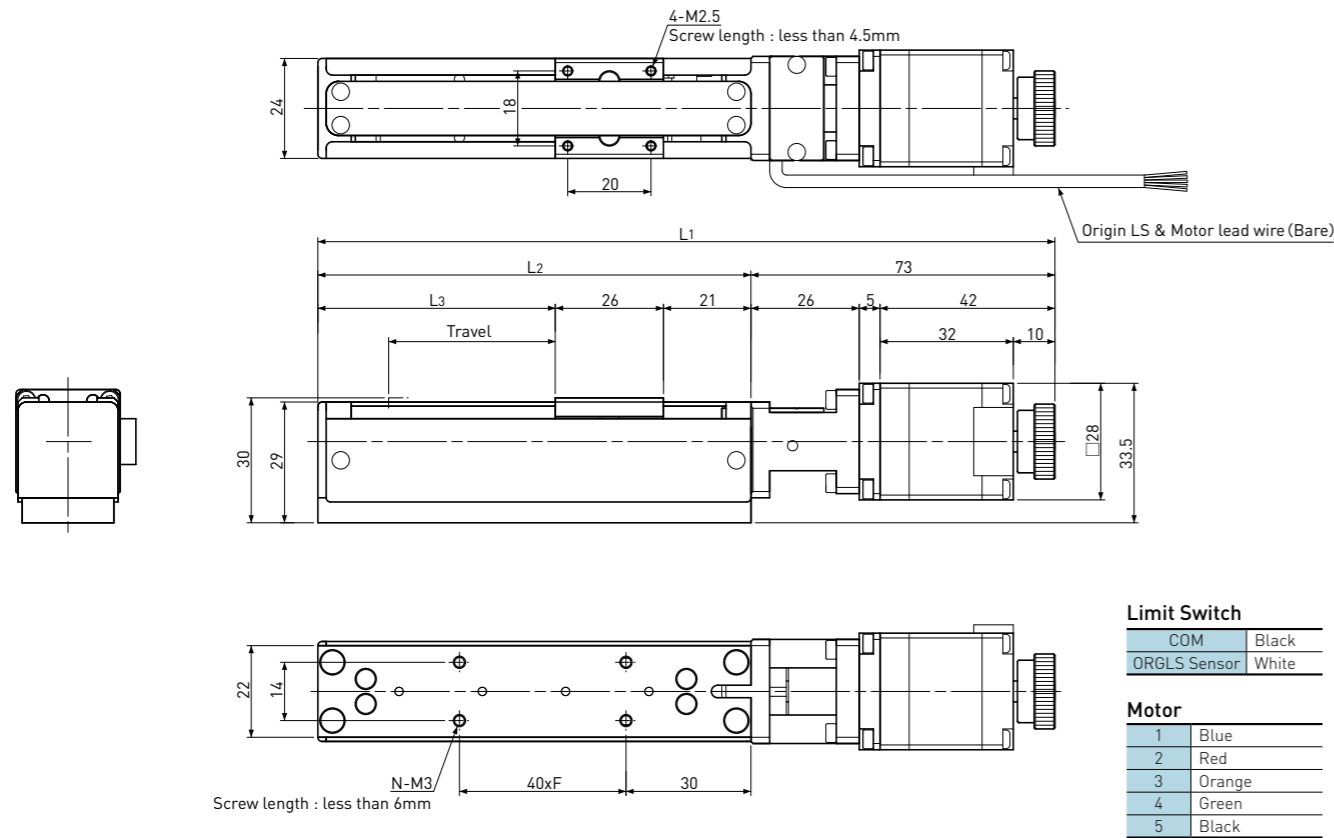


Flex Actuator

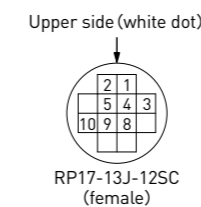
5-phase Stepping Motor (0.75A / phase & □28) with Precision Ball Screw type Actuator



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

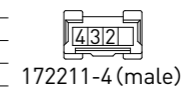
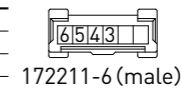
Connector choice

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



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 ₁	L ₂	L ₃	F	N	Hor.	Vert.		
FAS-G010-020ENR	20	1	2	157	84	37	1	4	29.4	19.6	0 ~ 25	265
FAS-G010-040ENR	40	1	2	177	104	57	1	4	29.4	19.6	0 ~ 25	285
FAS-G020-040ENR		2	4						29.4	19.6	0 ~ 50	
FAS-G060-040ENR		6	12						19.6	4.9	0 ~ 150	
FAS-G100-040ENR		10	20						19.6	4.9	0 ~ 250	
FAS-G010-080ENR	80	1	2	217	144	97	2	6	29.4	19.6	0 ~ 25	330
FAS-G020-080ENR		2	4						29.4	19.6	0 ~ 50	
FAS-G060-080ENR		6	12						19.6	4.9	0 ~ 150	
FAS-G100-080ENR		10	20						19.6	4.9	0 ~ 250	
FAS-G060-120ENR	120	6	12	257	184	137	3	8	19.6	4.9	0 ~ 150	370
FAS-G100-120ENR		10	20						19.6	4.9	0 ~ 250	
FAS-G060-160ENR	160	6	12	297	224	177	4	10	19.6	4.9	0 ~ 150	415
FAS-G100-160ENR		10	20						19.6	4.9	0 ~ 250	
FAS-G060-200ENR	200	6	12	337	264	217	5	12	19.6	4.9	0 ~ 150	455
FAS-G100-200ENR		10	20						19.6	4.9	0 ~ 250	

Note) Refer to page G135 or G136 for connection diagrams of recommended Driver (KR-A5CC, KR-A55MC).

Common Specifications	
Repeatability	Max. ±0.005mm
Lost Motion	Max. 0.005mm
Body Material	Aluminum
Sliding guide	Slide Guide rail
Sensor	Limit switch
Accuracy of Zero pt. return	Max. ±0.01mm
Acceleration & Deceleration Rate	Min. 20ms / kHz
Permissible Moment	
Pitching Mp	0.10Nm
Yawing My	0.09Nm
Rolling Mr	0.23Nm
Lubrication	Grease MSG No.2 (KSS)
Operating Temp.	0 ~ 40°C