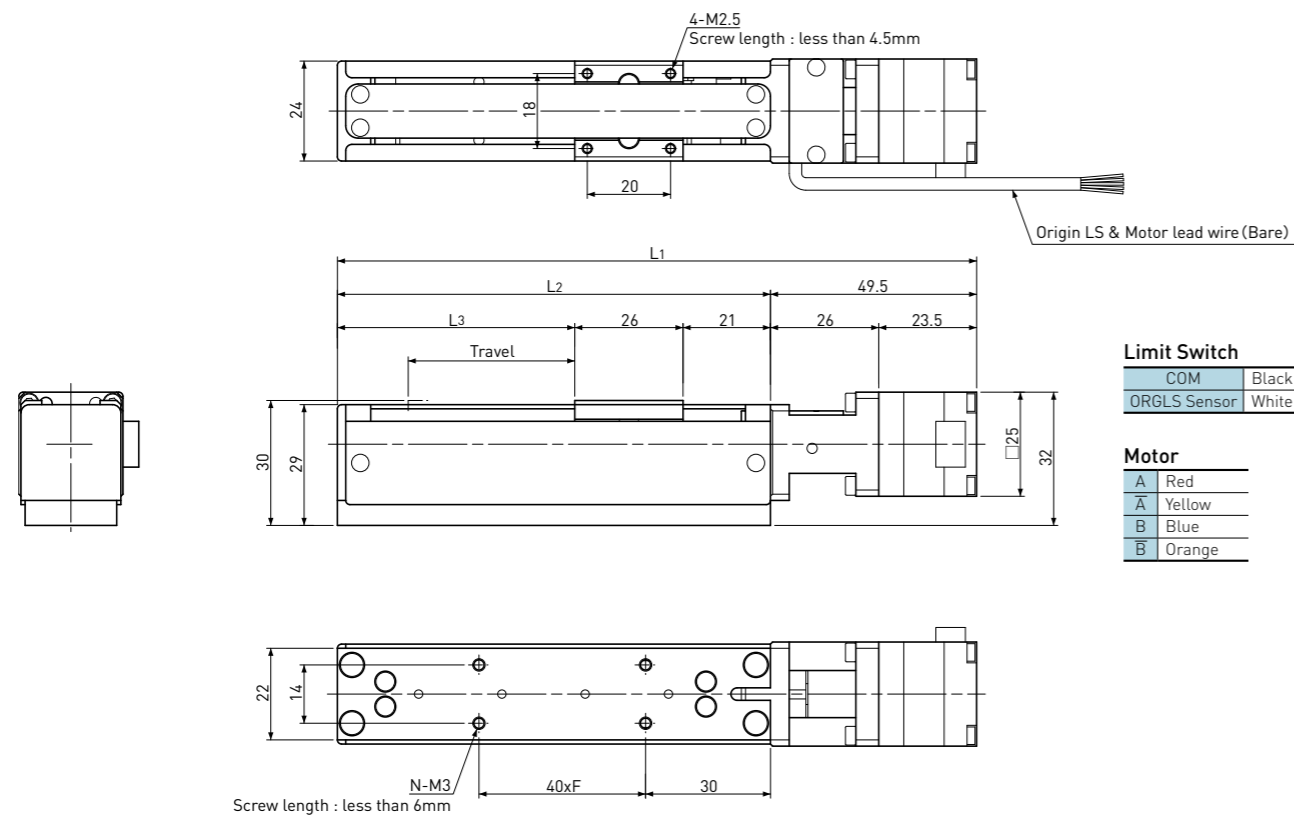


Flex Actuator

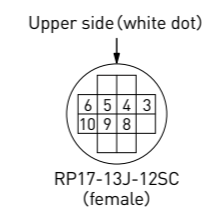
2-phase Stepping Motor (Bi-polar 0.7A / phase & □25) with Precision Ball Screw type Actuator



Motor Model : 10PM-K202B (Single shaft)
Minebea Motor
Driver recommendation : SD4030B

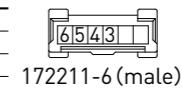
Connector choice

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

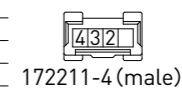


HIROSE RP17 Connector

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

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.
- 6) Vibration may increase at low speed or zero return.

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-G010-020MNR	20	1	5	133.5	84	37	1	4	29.4	19.6	3 ~ 20	210
FAS-G010-040MNR	40	1	5	153.5	104	57	1	4	29.4	19.6	3 ~ 20	230
FAS-G020-040MNR		2	10						29.4	19.6	6 ~ 40	
FAS-G060-040MNR		6	30						19.6	2.94	18 ~ 120	
FAS-G100-040MNR		10	50						19.6	2.94	30 ~ 200	
FAS-G010-080MNR	80	1	5	193.5	144	97	2	6	29.4	19.6	3 ~ 20	275
FAS-G020-080MNR		2	10						29.4	19.6	6 ~ 40	
FAS-G060-080MNR		6	30						19.6	2.94	18 ~ 120	
FAS-G100-080MNR		10	50						19.6	2.94	30 ~ 200	
FAS-G060-120MNR	120	6	30	233.5	184	137	3	8	19.6	2.94	18 ~ 120	315
FAS-G100-120MNR		10	50						19.6	2.94	30 ~ 200	
FAS-G060-160MNR	160	6	30	273.5	224	177	4	10	19.6	2.94	18 ~ 120	360
FAS-G100-160MNR		10	50						19.6	2.94	30 ~ 200	
FAS-G060-200MNR	200	6	30	313.5	264	217	5	12	19.6	2.94	18 ~ 120	400
FAS-G100-200MNR		10	50						19.6	2.94	30 ~ 200	

Note) Refer to page G133 for connection diagram of recommended Driver (SD4030B2).

Common Specifications	
Repeatability	Max. ±0.005mm
Lost Motion	Max. 0.005 mm
Body Material	Aluminum
Sliding guide	Slide Guide rail
Sensor	Limit switch
Accuracy of Zero pt. return	Max. ±0.01mm
Acceleration & Deceleration Rate	Min. 50ms / 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