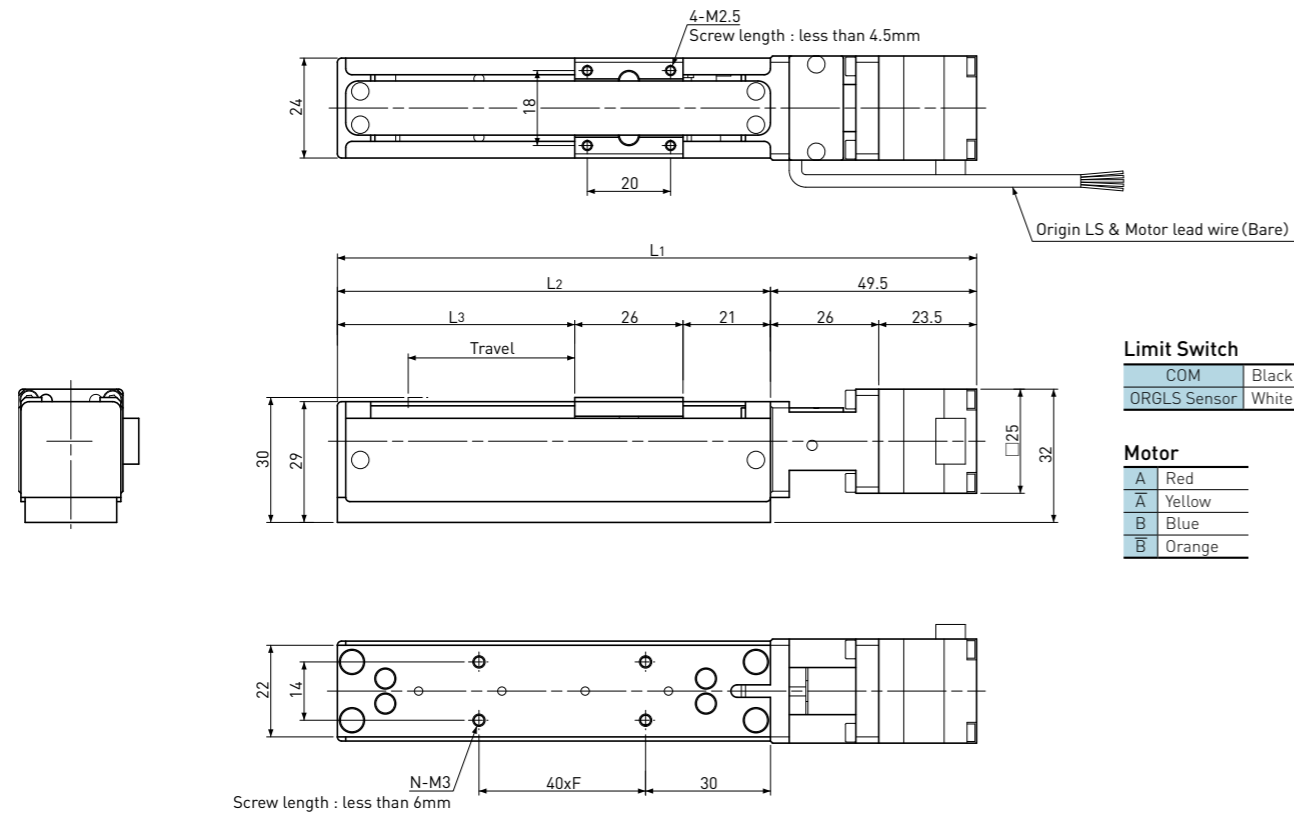


Flex Actuator

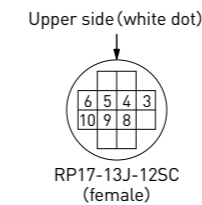
2-phase Stepping Motor (Bi-polar 0.7A / phase & □25) with Resin Lead Screw type Actuator



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

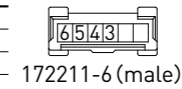
Connector choice

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

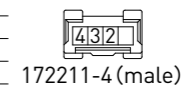


HIROSE RP17 Connector

1	None
2	None
3	Stepping Motor A (Red)
4	Stepping Motor A (Yellow)
5	Stepping Motor B (Blue)
6	Stepping Motor B (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 A (Yellow)
5	Stepping Motor B (Blue)
6	Stepping Motor B (Orange)
7	None
8	COM (Black)
9	Short circuit with No.8
10	ORGLS Sensor NC (White)
11	None
12	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.
- 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-Re020-040MNR	40	2	10	153.5	104	57	1	4	9.8	2.94	6 ~ 20	205
FAS-Re060-040MNR		6	30								18 ~ 60	
FAS-Re090-040MNR		9	45								30 ~ 90	
FAS-Re020-080MNR	80	2	10	193.5	144	97	2	6	9.8	2.94	6 ~ 20	250
FAS-Re060-080MNR		6	30								18 ~ 60	
FAS-Re090-080MNR		9	45								30 ~ 90	
FAS-Re060-120MNR	120	6	30	233.5	184	137	3	8	9.8	2.94	18 ~ 60	290
FAS-Re090-120MNR		9	45								30 ~ 90	
FAS-Re060-160MNR	160	6	30	273.5	224	177	4	10	9.8	2.94	18 ~ 60	335
FAS-Re090-160MNR		9	45								30 ~ 90	
FAS-Re060-200MNR	200	6	30	313.5	264	217	5	12	9.8	2.94	18 ~ 60	375
FAS-Re090-200MNR		9	45								30 ~ 90	

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 G133 for connection diagram of recommended Driver (SD4030B2).

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. 100ms / kHz
Permissible Moment	
Pitching Mp	0.10Nm
Yawing My	0.09Nm
Rolling Mr	0.23Nm
Lubrication	See Note
Operating Temp.	0 ~ 40°C