

● General Specifications

Model No.	Code of Coupled Motor	Code of Reduction Gear	Coupled Potentiometer			Slipping Torque	Remarks
			Kind of Element	No. of Turns	Pot. Model No.	mN · m (gf · cm)	
MPH22	A B	5~11	Wirewound	1	CP22, CP50	20 to 30 (200 to 300)	Possible to mount turns-counting dials.
			Hybrid	10	22HP-10, 25HP-10 22HHP-10	Approx. 50 (500)	
			Conductive Plastic	1	FCP22E, FCP22A, FCP30A, FCP50A	20 to 30 (200 to 300)	—



Model MPH22A7FCP22E



Model MPH22B10FCP22A



Model MPH22A1022HPM-10N

● Rated Specifications of Coupled Motor

Code of Coupled Motor	Input Voltage	Max. Output	Starting Torque	Max. Efficiency	No-Load Speed
A	6V.D.C.	0.26W	0.52mN · m (5.2gf · cm)	65%	19,100 r.p.m.
B	6V.D.C.	0.43W	1.55mN · m (15.5gf · cm)	70%	10,700 r.p.m.

● Characteristics of Reduction Gear (using coupled motor A & B)

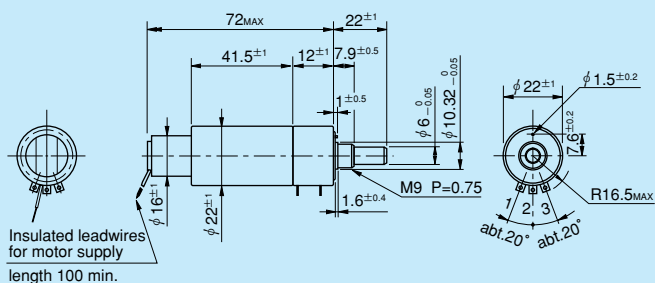
Reduction Gear	Reduction Gear Ratio	Response Time (Sec./F.S.) Approx.			
		Motor A (19,100r.p.m.)		Motor B (10,700r.p.m.)	
		1-turn pot.	10-turn pot.	1-turn pot.	10-turn pot.
5	1: 41	—	—	0.6	4.9
6	1: 76	—	—	0.7	6.2
7	1: 141	0.9	7.8	1.0	9.8
8	1: 262	1.2	11.2	1.6	15.7
9	1: 485	1.8	17.9	2.9	28.1
10	1: 900	3.2	31.2	6.0	60.0
11	1: 1,670	5.6	55.7	9.4	93.8

● Specifications of Coupled Potentiometer

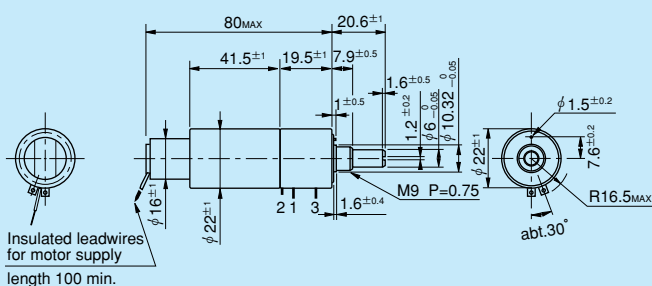
For further technical details of potentiometers, please refer to those of each potentiometer section in this catalog.

● Standard Dimensions

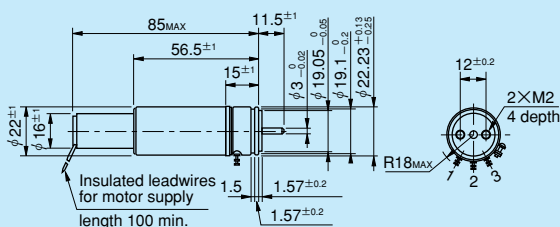
■ Model MPH22A FCP22E



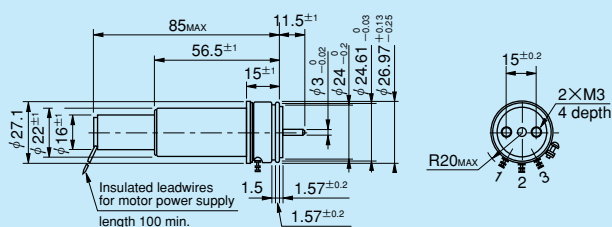
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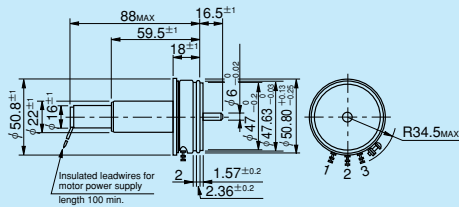
■ Model MPH22B FCP22A



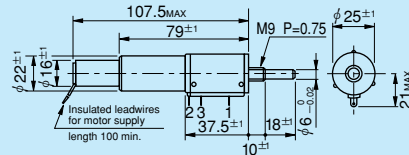
■ Model MPH22B FCP30A



■ Model MPH22B FCP50A



■ Model MPH22B 25HP-10C



MODEL MPH30

General Specifications

Model No.	Code of Coupled Motor	Code of Reduction Gear	Coupled Potentiometer			Slipping Torque	Remarks
			Kind of Element	No. of Turns	Pot. Model No.	mN · m (gf · cm)	
MPH30	A · B	5~11	Wirewound	1	CP22C, CP22	20 to 30 (200 to 300)	—
				10	20HP-10S, 22HPM-10N, 25HP-10	Approx. 50 (500)	—
			Conductive Plastic	1	FCP22AC, FCP22E, FCP22A, FCP30A	20 to 30 (200 to 300)	—
			Hybrid	10	20HHP-10S	Approx. 50 (500)	—



Model MPH30A7FCP22E



Model MPH30A5SCP22C



Model MPH30A1022HPM-10N

Rated Specifications of Coupled Motor

Code of Coupled Motor	Input Voltage	Max. Output	Starting Torque	Max. Efficiency	No-Load Speed
A	6V.D.C.	0.26W	0.52mN · m (5.2gf · cm)	65%	19,100 r.p.m.
B	6V.D.C.	0.43W	1.55mN · m (15.5gf · cm)	70%	10,700 r.p.m.

Characteristics of Reduction Gear (using coupled motor A & B)

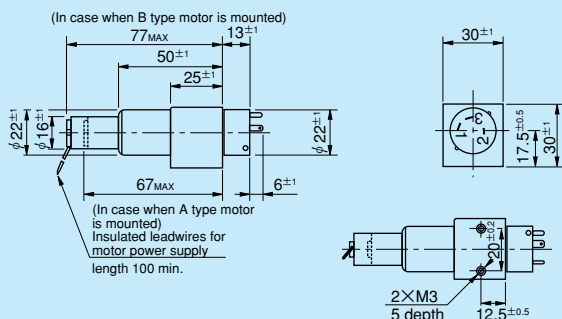
Reduction Gear	Reduction Gear Ratio	Response Time (Sec./F.S.) Approx.			
		Motor A (19,100r.p.m.)		Motor B (10,700r.p.m.)	
		1-turn pot.	10-turn pot.	1-turn pot.	10-turn pot.
5	1: 41	—	—	0.6	4.9
6	1: 76	—	—	0.7	6.2
7	1: 141	0.9	7.8	1.0	9.8
8	1: 262	1.2	11.2	1.6	15.7
9	1: 485	1.8	17.9	2.9	28.1
10	1: 900	3.2	31.2	6.0	60.0
11	1: 1,670	5.6	55.7	9.4	93.8

Specifications of Coupled Potentiometer

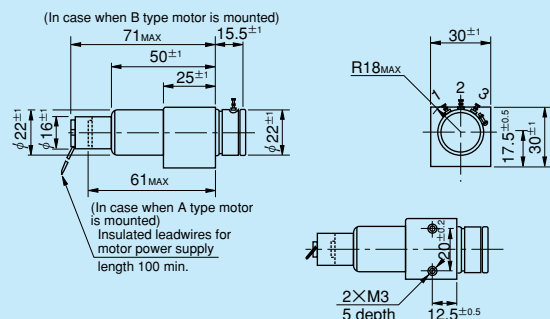
For further technical details of potentiometers, please refer to those of each potentiometer section in this catalog.

Standard Dimensions

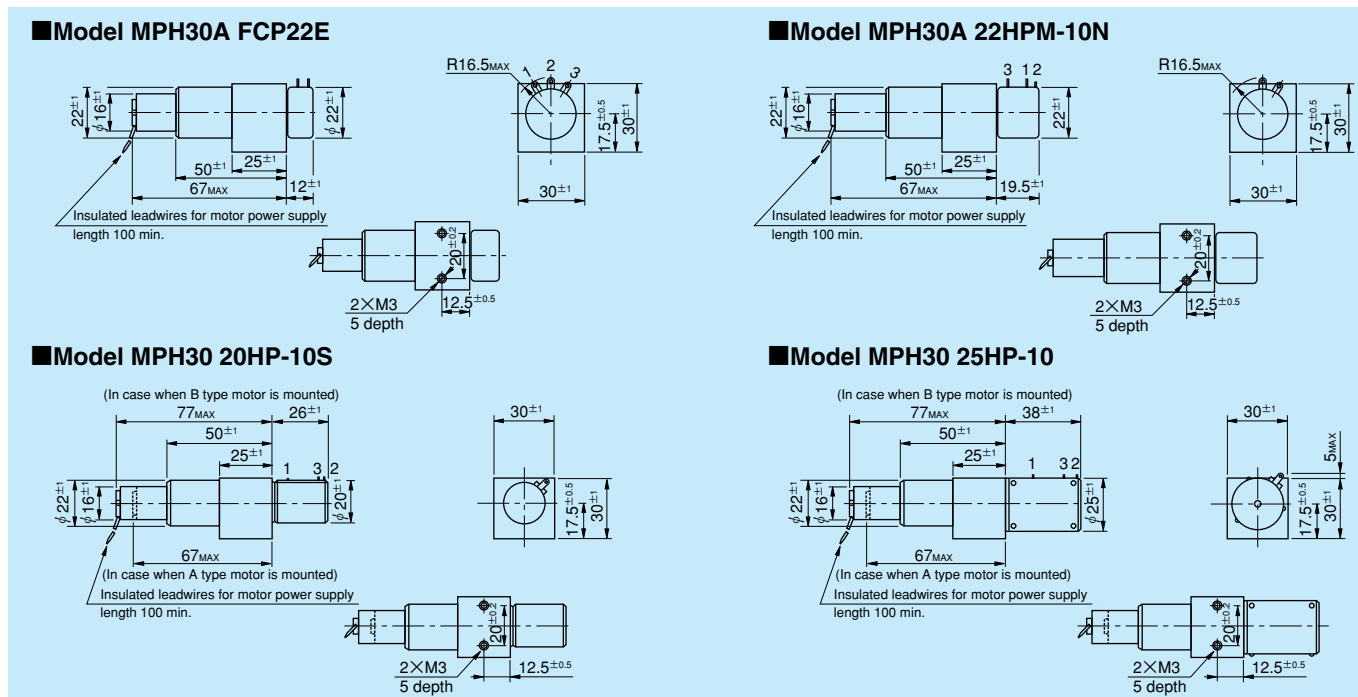
■ Model MPH30 CP22C



■ Model MPH30 FCP22A



● Standard Dimensions



MODEL MPH35

● General Specifications

Model No.	Code of Coupled Motor	Code of Reduction Gear	Coupled Potentiometer			Slipping Torque mN·m (gf·cm)	Remarks
			Kind of Element	No. of Turns	Pot. Model No.		
MPH35	C	25~32	Wirewound	1	CP50	Approx. 50 (500)	—
			Conductive Plastic	1	FCP50A		—

● Rated Specifications of Coupled Motor

Code of Coupled Motor	Input Voltage	Max. Output	Starting Torque	Max. Efficiency	No-Load Speed
C	6V.D.C.	3.1W	14mN·m (140gf·cm)	87%	8,350 r.p.m.

● Characteristics of Reduction Gear

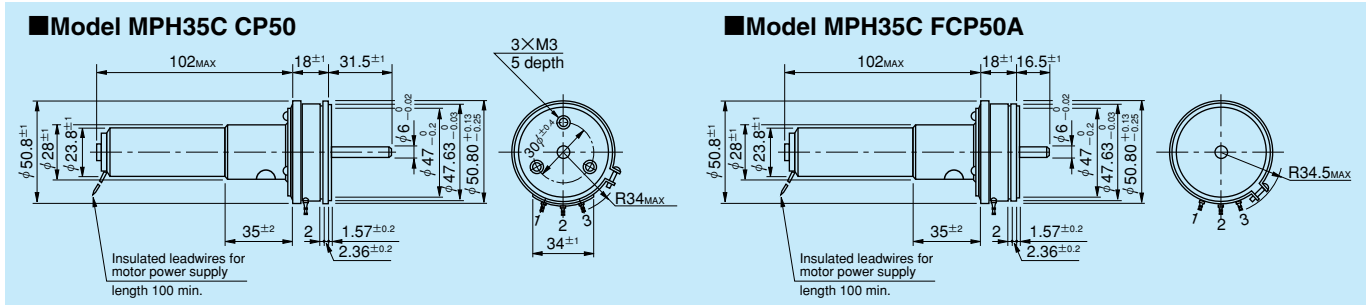
Reduction Gear	Reduction Gear Ratio	Response Time (Sec./F.S.) Approx.
		1-turn pot.
25	1: 30.7	0.3
26	1: 54.6	0.4
27	1: 97.3	0.7
28	1: 173	1.3
29	1: 308	2.2
30	1: 548	4.0
31	1: 975	7.0
32	1: 1,734	12.5



● Specifications of Coupled Potentiometer

For further technical details of potentiometers, please refer to those of each potentiometer section in this catalog.

● Standard Dimensions



MODEL MPH46

● General Specifications

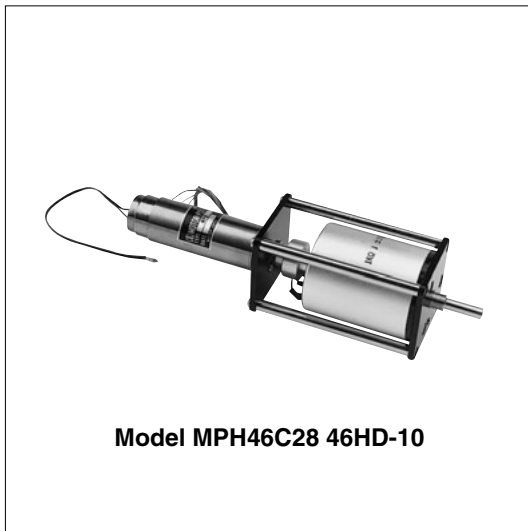
Model No.	Code of Coupled Motor	Code of Reduction Gear	Coupled Potentiometer			Slipping Torque mN · m (gf · cm)	Remarks
			Kind of Element	No. of Turns	Pot. Model No.		
MPH46	C	25~32	Wirewound	10	46HD-10	Approx. 50 (500)	Possible to mount turns-counting dials.

● Rated Specifications of Coupled Motor

Code of Coupled Motor	Input Voltage	Max. Output	Starting Torque	Max. Efficiency	No-Load Speed
C	6V.D.C.	3.1W	14mN · m (140gf · cm)	87%	8,350 r.p.m.

● Characteristics of Reduction Gear

Reduction Gear	Reduction Gear Ratio	Response Time (Sec./F.S.) Approx.
		10-turn pot.
25	1: 30.7	2.3
26	1: 54.6	4.0
27	1: 97.3	7.0
28	1: 173	12.5
29	1: 308	22.2
30	1: 548	39.4
31	1: 975	70.1
32	1: 1,734	124.7



● Specifications of Coupled Potentiometer

For further technical details of potentiometers, please refer to those of each potentiometer section in this catalog.

● Standard Dimensions

