

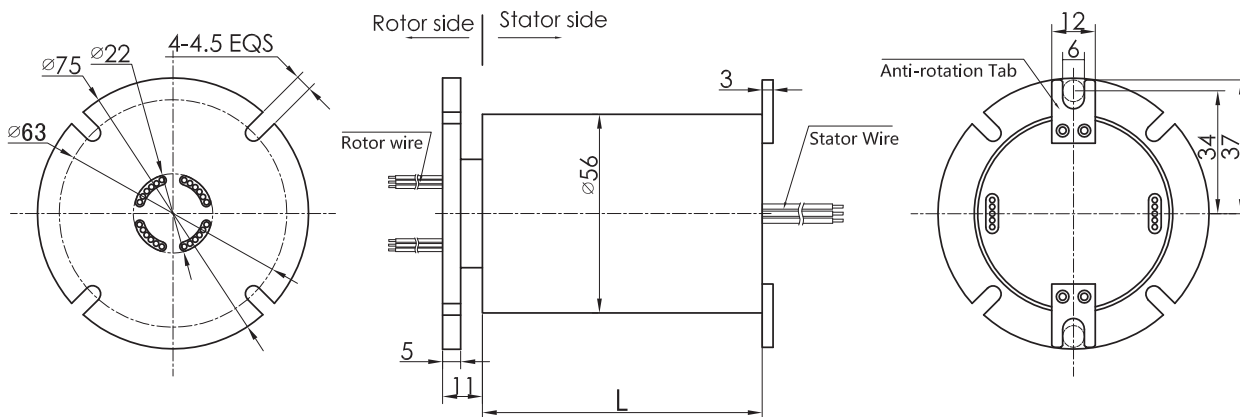
ZM056 Series Servo Motor/Encode Slip Ring

Solid, OD 56mm, support 1~4 pcs servo motor+1~24 circuits power/signal

Specially desinged for all kinds of servo mortor / stepper motor.



Dimensions



Standard Model List

Part no.	Servo motor No.	Power circuits (10A)	Signal circuits (5A)	Length L(mm)	Part no.	Servo motor No.	Power circuits (10A)	Signal circuits (5A)	Length L(mm)
ZM056-01	1	0	0	55	ZM056-03	3	0	0	127
ZM056-01-06S	1	0	6	71.5	ZM056-03-06S	3	0	6	143.5
ZM056-01-12S	1	0	12	88.5	ZM056-03-12S	3	0	12	160.5
ZM056-01-24S	1	0	24	122	ZM056-03-24S	3	0	24	194
ZM056-01-1210-12S	1	12	12	122	ZM056-03-1210-12S	3	12	12	194
ZM056-02	2	0	0	88.5	ZM056-04	4	0	0	160.5
ZM056-02-06S	2	0	6	104	ZM056-04-06S	4	0	6	176
ZM056-02-12S	2	0	12	122	ZM056-04-12S	4	0	12	194
ZM056-02-24S	2	0	24	156	ZM056-04-24S	4	0	24	228
ZM056-02-1210-12S	2	12	12	156	ZM056-04-1210-12S	4	12	12	228

*Remark: 1 pcs servo motor (two cables, 1*4 cores@10A cable for power+1*6 cores shielded cable for encode signal).

Technical Specification

Mechanical		Electrical		
Spec.	Data	Spec.	Data	
			Power	Signal
Working Life	pls refer to product grade table	Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Rotating Speed	pls refer to product grade table		Insulation Resistance	$\geq 1000M\Omega/500VDC$
Working Temp.	-30°C~80°C	Lead Wire Spec.		power cable or AWG #17 teflon wire
Work Humidity	0~85% RH		Lead Wire Length	standard 300mm(can be customized)
Contact Material	refer to slip ring grade table	Dielectric Strength		500VAC@50Hz, 60s
Housing Material	aluminum alloy		Electrical Noise	<0.01Ω
Torque	0.1N.m+0.03N.m/6circuits	Loss Rate		<0.02%
Mechanical Vibration	MIL-STD-810E		CE Certification	YES
Material	RoHS certification			

Product Grade Table

Grade code	Max rotating speed	Working life	Contact material
C:standard	400RPM	20millions revolutions	precious metal
D:industrial	800RPM	60millions revolutions	precious metal
H:high quality	1200RPM	150millions revolutions	gold alloy

Color Code of Lead Wire

ring#	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU
ring#	13	14	15	16	17	18	19	20	21	22	23	24
color	WHT/BLK	WHT/BRN	WHT/RED	WHT/ORG	WHT/YEL	WHT/GRN	WHT/BLU	WHT/PUR	WHT/GRY	BLK/RED	BLK/BRN	Transparent

Remark: "1" : the first wire from rotor side ,ZM056-01 wire color sequence: BLK/BRN/RED/ORG/YEL/GRN/BLU/PUR/GRY/WHT, 24 color wires as one group , if more than 24 wires, repeat as sequence , use number tube to tell group 1#, 2#....