

# ZH70158 Series Servo Motor/Encode Slip Ring



Hole 70mm, OD 158mm, support 1~6pcs servo motor+1~72circuits power/signal

Specially desinged for servo motor/encoder of SIMEMMS, YASKAWA, Panasonic, Mitsubishi, suitable for all kinds of foreign & domesitc servo mourtor / stepper motor. More than 10years operating experiences in SIMEMMS/HEIDENHAIN control system, high reliability.

## Part No. Description

### ZH70158 Servo motor No. Power circuits Signal circuits Grade code

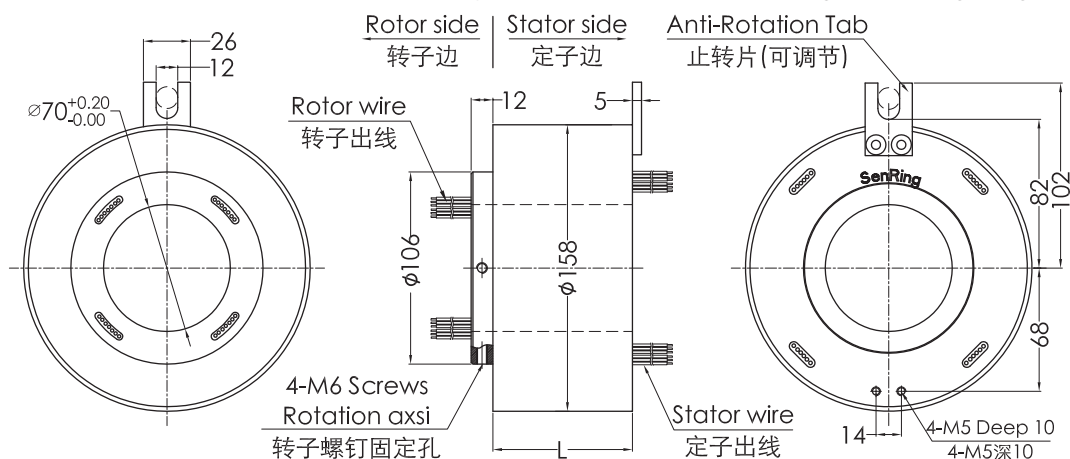
servo motor encode slip ring hole size 70mm, OD 158mm					C: Standardf D: Industrial H: high quality
					For example: 06S: 6 circuits signal@5A 12S: 12 circuits signal@5A
For example: 1pcs servo motor(two cables, 1*4cores@10A cable for power+1* 6 cores sheilded cable for encorder signal) 02: 2pcs servo motor 03: 3pcs servo motor , and so on					For example: 0610:6circuits@10A 1230:12circuits@30A

## Example

ZH70158-01-0610: support 1 pcs servo motor+6 circuits@10A cable for power, hole size 70mm, OD 158mm.

ZH70158-04-1210-12S: support 4 pcs servo motor+12 circuits@10A cable for power+12circuits signal@5A, hole size 70mm, OD 158mm.

Remark: More details or ask for customized solution, pls contact us, E-mail: info@senring.com senring.us@gmail.com



## 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)
ZH70158-01	1	0	0	82	ZH70158-04	4	0	0	226
ZH70158-01-06S	1	0	6	106	ZH70158-04-06S	4	0	6	250
ZH70158-01-12S	1	0	12	130	ZH70158-04-12S	4	0	12	274
ZH70158-01-24S	1	0	24	178	ZH70158-04-24S	4	0	24	322
ZH70158-01-1210-12S	1	12	12	178	ZH70158-04-1210-12S	4	12	12	322
ZH70158-01-0610-30S	1	6	30	274	ZH70158-04-0610-30S	4	6	30	418
ZH70158-01-36S	1	0	36	274	ZH70158-04-36S	4	0	36	418
ZH70158-01-1210-36S	1	12	36	322	ZH70158-04-1210-36S	4	12	36	466
ZH70158-01-48S	1	0	48	322	ZH70158-04-48S	4	0	48	466
ZH70158-01-2410-48S	1	24	48	418	ZH70158-04-2410-48S	4	24	48	562
ZH70158-01-72S	1	0	72	418	ZH70158-04-72S	4	0	72	562
ZH70158-01-96S	1	0	96	514	ZH70158-04-96S	4	0	96	658

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)
ZH70158-01-120S	1	0	120	610	ZH70158-04-120S	4	0	120	754
ZH70158-02	1	0	0	130	ZH70158-06	6	0	0	322
ZH70158-02-06S	2	0	6	154	ZH70158-06-06S	6	0	6	346
ZH70158-02-12S	2	0	12	178	ZH70158-06-12S	6	0	12	370
ZH70158-02-24S	2	0	24	226	ZH70158-06-24S	6	0	24	418
ZH70158-02-1210-12S	2	12	12	226	ZH70158-06-1210-12S	6	12	12	418
ZH70158-02-0610-30S	2	6	30	322	ZH70158-06-0610-30S	6	6	30	514
ZH70158-02-36S	2	0	36	322	ZH70158-06-36S	6	0	36	514
ZH70158-021210-36S	2	12	36	370	ZH70158-06-1210-36S	6	12	36	562
ZH70158-02-48S	2	0	48	370	ZH70158-06-48S	6	0	48	562
ZH70158-02-2410-48S	2	24	48	466	ZH70158-06-2410-48S	6	24	48	658
ZH70158-02-72S	2	0	72	466	ZH70158-06-72S	6	0	72	658
ZH70158-02-96S	2	0	96	562	ZH70158-06-96S	6	0	96	754
ZH70158-02-120S	2	0	120	658	ZH70158-06-120S	6	0	120	850

\*Remark: 1pcs 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	
Working Life	pls refer to product grade table		Power	Signal
Rotating Speed	pls refer to product grade table	Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	≥ 1000MΩ/500VDC	≥ 1000MΩ/500VDC
Work Humidity	0~85% RH	Lead Wire Spec.	power cable or AWG#17 teflon wire	6 cores shielded cable or AWG#22 teflon wire
Contact Material	refer to slip ring grade table	Lead Wire Length	standard 300mm(can be customized)	
Housing Material	aluminum alloy	Dielectric Strength	500VAC@50Hz, 60s	
Torque	0.1N.m+0.03N.m/6circuits	Electrical Noise	<0.01Ω	
Mechanical Vibration	MIL-STD-810E	Loss Rate	<0.02%	
Material	RoHS certification	CE Certification	YES	

### Product Grade Table

Grade code	Max rotating speed	Working life	Contact material
C:standard	400RPM	20millisons revolutions	precious metal
D:industrial	800RPM	60millisons revolutions	precious metal
H:high quality	1200RPM	150millisons 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 ,ZH70158-01 wire color sequence: BLK/BRN/RED/ORG/YEL/GRN/BLU/PUR/GRY/WHT , 24 color wires as one group , if more than 24wires, repeat as sequence , use number tube to tell group 1#, 2#....