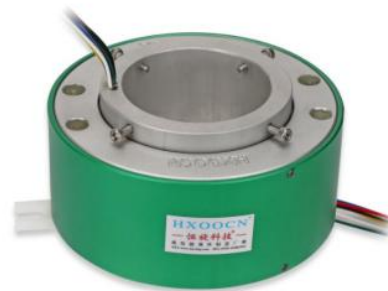
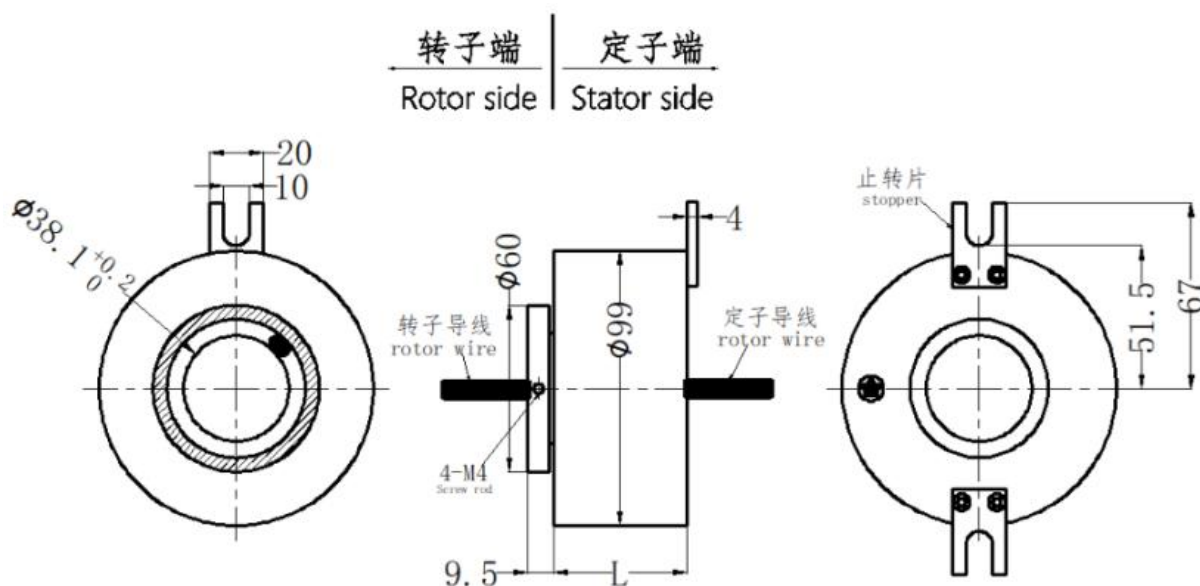


## HD3899 Series

Integrated structure designed precision conductive slip ring, with center through bore ID 38.1mm, OD 99mm, suitable for rotating application which requires rotating shaft center through bore Signal  $\leq 38.1\text{mm}$ , (remark: if need a through bore  $< 38.1\text{mm}$ , can add an inner bushing).



### 【Drawing】



### Model List (For other models, please contact customer service)

#### HD3899 Series Through Bore Conductive Slip Ring Model List

Model	10A	Signal or Power, $\leq 5\text{A}$	Length L(mm)	Model	10A	Signal or Power, $\leq 5\text{A}$	Length L(mm)
HD3899-06S	0	6	48	HD3899-0610-S06S	6	6	72
HD3899-0610	6	0	48	HD3899-1210-12S	12	12	120
HD3899-1210	12	0	72	HD3899-0610-24S	6	24	144
HD3899-2410	24	0	120	HD3899-0210-10S	2	10	72

Note: Circuits can be combined in parallel for bigger current, N circuits of 2A to get  $N*2\text{A}$ , such as 2 circuits of 5A in parallel for 10A use. For other models, please contact customer service for special requirements.

### Technical Specification

Mechanical				Electrical		
Spec	Data			Spec	Power	Signal
Torque	0.1N.m+0.03N.m/6 Circuits			Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Working Life	Please refer to "Product Quality Level Table"			Rated Resistance	≥1000MΩ/500vdc	≥1000MΩ/500vdc
Rated Rotating Speed	Please refer to "Product Quality Level Table".			Lead Wire Spec	AWG16#Tin-plated Teflon	AWG22#Tin-plated Teflon
Working temp. & humidity	-30°C~-75°C, 0~80%RH			Lead Wire Length	Standard Length: 300mm	
Material	Housing Material: Aluminum Alloy Contact Material: Precious Metal			Insulation Strength	500VAC@50Hz, 60s	
IP Grade	IP51			Electrical Noise	<0.01Ω	

### Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT

### Options for custom slip ring

Special requirements: 1 piece MOQ, delivery time will need extra 4-15 days, the cost of customization needs to be negotiated. The requirements for customization below can be met:

- ① High temperature can reach up to 500°; ② High voltage can reach up to 110KV;
- ③ High speed rotating speed can reach up to 1000RPM; ④ Large current can reach up to 5000A;
- ⑤ Can combine with rotary joint; ⑥ Can combine to transmit with signal; ⑦ Can customize as your required size;
- ⑧ Aviation plug is optional; ⑨ Can combine to transmit in high speed rotating speed; ⑩ Underwater waterproofing is optional.