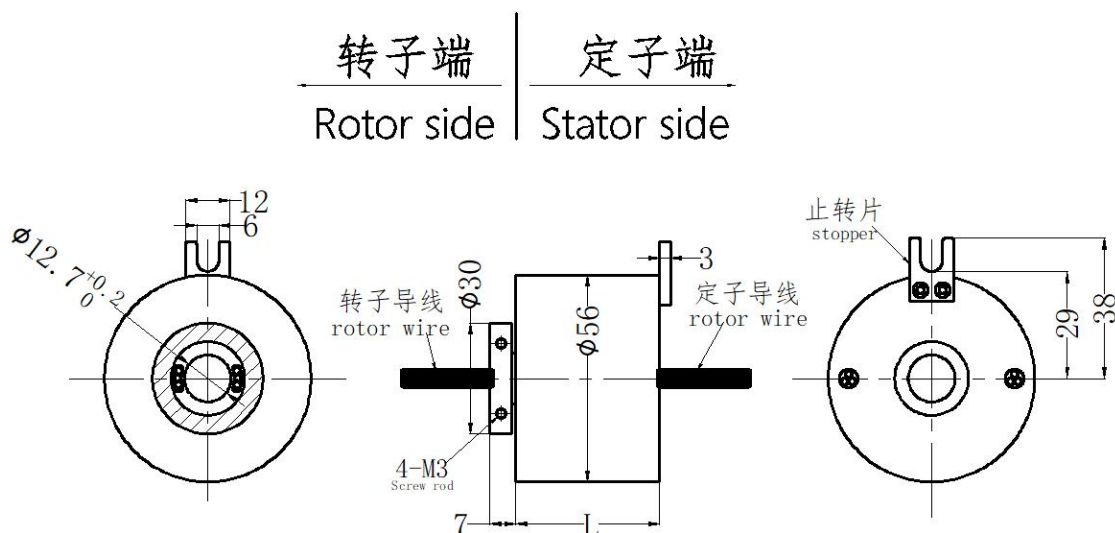


## HD1256 Series

Integrated structure designed precision conductive slip ring, with center through bore ID 12.7mm, OD 56mm, suitable for rotating application which requires rotating shaft center through bore  $\leq 12.7\text{mm}$ , (remark: if need a through bore  $< 12.7\text{mm}$ , can add an inner bushing)



### 【Drawing】



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

#### HD1256 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)
HD1256-06S	0	6	39	HD1256-0610-06S	6	6	57
HD1256-0610	6	0	39	HD1256-1210-12S	12	12	93
HD1256-1210	12	0	57	HD1256-0610-24S	6	24	111
HD1256-2410	24	0	93	HD1256-0210-10S	2	10	57

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	0.05N.m+0.02N.m/6 Circuits	Rated Voltage	0 ~ 440VAC/VDC	0 ~ 440VAC/VDC
Working Life	Please refer to "Product Quality Level Table".	Rated Resistance	$\geq 1000M\Omega/300vdc$	$\geq 1000M\Omega/300vdc$
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 ~ IP65	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.