






Typical Application



Slip ring is widely used on packaging machinery, revolving door, medical device, tank, radar, wind turbine, crane, crystal grower, high speed dome and cable reel etc.








1、Capsule Slip Ring

Model		Size OD x L (mm)	Circuits	Current	Voltage	Speed
	SRC012	Φ12.4 x (14~28)	6,12,18,24	2A	240VAC	250rpm
	SRC015	Φ15.5 x 34	24	2A	240VAC	250rpm
	SRC018	Φ18 x (16~34)	6,12,18,24	2A	240VAC	250rpm
	SRC022	Φ22 x (19~56.8)	6,12,15,18,24, 30,36	2A	240VAC	250rpm
	SRC025	Φ25 x (51.7~85.5)	30,36,46,56	2A	240VAC	250rpm

The above slip rings can be made IP65 according to customer's requirement.

2、Mass Channel Slip Ring

Model		Size OD x L (mm)	Circuits	Current	Voltage	Speed
	SRM006-6	Φ6 x11	6	1A	110VAC	60rpm
	SRM009-36	Φ9.5 x 37.2	36 (Used Circuits≥30)	1A	110VAC	60rpm
	SRM011-24	Φ11 x 23.2	24	1A	110VAC	60rpm
	SRM017-45	Φ17 x 40	45 (Used Circuits≥40)	1A	110VAC	60rpm
	SRM022-49	Φ22 x 50	49 (Used Circuits≥45)	1A	110VAC	60rpm

3、 Pin Connection Slip Ring

Model		Size OD x L (mm)	Circuits	Current	Voltage	Speed
	SRC032-2	Φ32 x28	2	2 x 15A	240VAC	400rpm
	SRC032-3	Φ32 x28	3	3 x 15A	240VAC	400rpm
	SRC032-4	Φ32 x28	4	2 x 15A 2 x 5A	240VAC	400rpm
	SRC032-2M	Φ32 x44.5	2	2 x 20A	240VAC	250rpm
	SRC032-3M	Φ32 x44.5	3	3 x 20A	240VAC	250rpm
	SRC032-4M	Φ32 x 44.5	4	2 x 20A 2 x 5A	240VAC	250rpm
	SRC032-5M	Φ32 x 44.5	5	2 x 20A 3 x 5A	240VAC	250rpm
	SRC045-6	Φ45 x 64.5	6	6 x 20A	240VAC	400rpm
	SRC045-8	Φ45 x 64.5	8	6 x 20A 2 x 5A	240VAC	400rpm





The models SRC032-2M/ 3M/ 4M/ 5M are IP65.

4、 Standard Through-Bore Slip Ring







Model	Through-Bore(mm)	Size OD x L (mm)	Circuits (Power ring)	Current (A)		Voltage (V)		Speed (rpm)
				P	S	P	S	
 SRH1235	Φ12	Φ35 x (29.5~40)	6,12	5A	-	240	-	400
 SRH1254	Φ12.7	Φ54 x (38.95~80.7)	6,12,18,24	5A	-	240	-	400
 SRH2578	Φ25.4	Φ78x (55 ~ 127)	6,12,18,24	10A	2A	380	240	400
 SRH3899	Φ38.1	Φ99x (54.1~126.1)	6,12,18,24	10A	2A	380	240	400
 SRH50120	Φ50	Φ120x (69.5~219.5)	6,12,18,24,30,36	10A 20A	5A	380	240	250
 SRH60135	Φ60	Φ135x (77.5~287.5)	6,12,18,24,30,36,42,48	10A 20A	5A	380	240	250
 SRH70155	Φ70	Φ155x (80.8~290.8)	6,12,18,24,30,36,42,48	10A 20A	5A	380	240	250
 SRH80180	Φ80	Φ180x (88.5~298.5)	6,12,18,24,30,36,42,48	10A 20A	5A	380	240	200
 SRH90190	Φ90	Φ190x (88.5~298.5)	6,12,18,24,30,36,42,48	10A 20A	5A	380	240	200
 SRH100203	Φ100	Φ203x(93.5~314)	6,12,18,24,30,36,42,48	10A 20A	5A	380	240	200

IP grade : IP65

5. Miniature Through-Bore Slip Ring





Model		Through-Bore (mm)	Size OD x L (mm)	Circuits	Current	Voltage	Speed
	SRH0317	Φ3	Φ17 x(13.3~20)	2,3,6,8	2A	240VAC	250 rpm
	SRH0322	Φ3	Φ22x29.7	6	2A	240VAC	250 rpm
	SRH0422	Φ4.5	Φ22x(19.4~43)	6,8,12,18,24	2A	240VAC	250 rpm
	SRH0425	Φ4	Φ25x(48~64)	30,36	2A	240VAC	250 rpm

6. Offshore Slip Ring

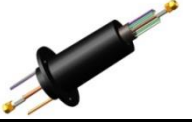
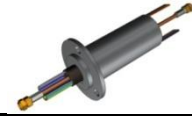
Model	Size OD x L (mm)	Circuits (Power ring)	Current (A)		Voltage (V)		Speed	
			P	S	P	S		
	SRT1075A	Φ75 x (140.34~237.78)	6,12,18,24,30,36,42,48	5A	-	240	-	500 rpm
	SRT1075B	Φ75 x (140.34~237.78)	6,12,18,24,30,36,42,48	5A	-	240	-	500 rpm
	SRT2087	Φ87 x (85.4~252.5)	6,12,18,24,30,36,42,48	10A	2A	380	240	500 rpm
	SRE1072F	Φ72.4 x 184	1~6	100A	-	1000	-	250 rpm
	SRT140	Φ140 x L	Optional	150A	-	3300	-	50 rpm
	FOSR140	Φ140 x L	30	150A	-	5000	-	50 rpm

7、Wind Turbine Slip Ring

Model	Size OD x L (mm)	Circuits	Current	Voltage	Speed
 SRW120-xx-II Direct drive	Φ120 x L	1~30	60A 10A	400VAC	50rpm
 SRW140-xx Double-fed	140 x140 x L	1~30	60A 10A	400VAC	50rpm
 SRW155-xx- I Double-fed	Φ155x L	1~35	80A 10A	400VAC	50rpm
 SRW155-xx-II Direct drive Double-fed	Φ155x L	1~35	80A 10A	400VAC	50rpm
 SRW155-xx-III Direct drive	Φ155x L	1~35	50A 10A	480VAC	50rpm
 SRW190-xx- I Direct drive	Φ190x L	1~35	80A 10A	400VAC	50rpm
 SRW190-xx-II Direct drive	Φ190x L	1~35	100A 10A	400VAC	50rpm
 SRW203-xx- I Direct drive Excitation	Φ203x L	1~35	200A 10A	1200VDC/ 400VAC	50rpm
 SRW203-xx-II Direct drive deicing	Φ203x L	1~50	200A 10A	690VAC	50rpm

Wind Power Slip Ring Accessories	Encoder	Encoder Connector	Coupling	Connector
				

8、High-definition Slip Ring





Model		Size OD x L (mm)	Circuits (Signal ring)	Current	Voltage	Speed
	SRF022	Φ22x (23.5~43)	8,12,18,24	2A	240VAC	100rpm
	SRF025	Φ25x (51.7~64)	30,36	2A	240VAC	100rpm

9、Ethernet and High-definition Slip Ring






It can transmit HD video signals, such as 100BaseT, 1000 BaseT, HD-SDI, HDMI, etc., and differential signal, including VDS, LVDS, etc., as well as Siemens industrial ethernet signals.

Model		Size OD x L (mm)	Circuits	Current	Voltage	Speed
	SRC012ES	Φ12.4 x (14~28)	1 or more	2A	240VAC	250rpm
	SRC015ES	Φ15.5x34	1 or more	2A	240VAC	250rpm
	SRC018ES	Φ18 x (16~24)	1 or more	2A	240VAC	250rpm
	SRC022ES	Φ22 x (19~56.8)	1 or more	2A	240VAC	250rpm
	SRC025ES	Φ25 x (51.7~85.5)	1 or more	2A	240VAC	250rpm
	SRH80180ES (1000Base T)	Max Bore Size Φ80	1 or more	2A	380VAC	150rpm
	SRH550ES (100Base T)	Max Bore Size Φ550	1 or more	2A	380VAC	10rpm

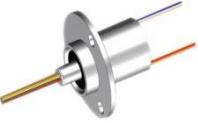

10、 Medium Frequency Slip Ring

Model	Through-Bore (mm)	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Frequency	Speed
 SRH1235ES	Φ12	<1	>55	>25	0~200MHz	250rpm
 SRH1254ES	Φ12.7	<1	>55	>25	0~200MHz	250rpm
 SRH2578ES	Φ25.4	<1	>45	>15	0~150MHz	250rpm
 SRH3899ES	Φ38.1	<1	>40	>15	0~100MHz	250rpm




11、 High Frequency Slip Ring

Model	Frequency	Size OD x L (mm)	Circuits	Insertion Loss	Standing Wave Ratio	Speed
 HFRJ101	0~3GHz	Φ9 x18	1	< 2.4 dB	2.0	100rpm
 HFRJ102	0~3GHz	Φ9x18	1	< 2.4 dB	2.0	100rpm
 HFRJ103	0~18GHz	Φ9x24	1	< 0.3dB	1.15	100rpm
 HFRJ104	0~8GHz	Φ14.2x25.4	1	< 0.6dB	1.25	100rpm
 HFRJ105	0~18GHz	Φ11x34.8	1	< 1 dB	1.4	100rpm

12、 High Speed Slip Ring

Model		Size OD x L (mm)	Circuits	Current	Voltage	Speed
	SRS022-12	Φ22 X 28	12	2A	240VAC	5000rpm
	SRS032-10	Φ32 X 39	10	1A	240VAC	10000rpm

13、 Hybrid Optical -Electric Slip Ring

Model		Size OD x L (mm)	FiberCircuits	Wavelength	Circuits	Current	Voltage	Speed
	FOSR022	Φ22 x41.2	1	1550/1310nm	12 24	2A	240VAC	250rpm
		Φ22 x56.8			24			
	FOSR025	Φ25x63.1	1	1550/1310nm	30	2A	240VAC	250rpm
		Φ25x70.9			36			
	FOSR-xxx	Customized	Customized	1550/1310nm	Optional	Optional	Optional	250rpm

14、 Pneumatic Hydraulic Electricity Hybrid Slip Ring

The Pneumatic hydraulic electricity slip ring is the aggregation of pneumatic slip ring , hydraulic slip ring and electric slip ring.




It's for some special applications which need 360° rotation, meantime transmit air (vacuum, air compression, etc), liquid(hydraulic oil, cooling liquid, water, etc), and signal(Ethernet, USB, HD video, servo motor, and other signal). And it's also used for some high technology automation equipment.



15、 Pancake Slip Ring

Model		Through-Bore (mm)	Size OD x L(mm)	Circuits	Current	Voltage	Speed
	SRP040	Φ40	Φ260 x 31	20	10A 5A	240VAC/ VDC	100 rpm
	CT Machine SRP760 For CT Scanner use only	Φ760	Φ970 x 25	7	60A 10A	600VDC 220VAC	60rpm
	SRPXXX-K	Customized	Customized	Optional	Optional	Optional	100rpm or Optional
	SRPXXX	Customized	Customized	Optional	Optional	Optional	100rpm or Optional








16、 Centre Collector Ring

Model		Current	Voltage	Speed	Characteristics
	SRZ- I	1200A	1200V	50rpm	Up-drive ,compact construction, light weight, with temperature controller. high IP grade, salt spray proofing, impact resistance, convenient maintenance.
	SRZ-II	1200A	1200V	50rpm	Down-drive , compact construction, light weight, with encoder and temperature controller. high IP grade, salt spray proofing, impact resistance, convenient maintenance
	SRZ-III	1200A	1200V	40rpm	Through-bore, can be with pneumatic 、 hydraulic、 Fiber circuit etc,compact construction, light weight, high IP grade, salt spray proofing, impact resistance, convenient maintenance

17、 Customized Slip Ring





















18、 Fiber Optic Rotary Joints






Model	Type	Channel	Sealed Type	Dimensions (mm)			Speed	IP Grade	
				L	Flange OD	Body OD			
	FORJ101	Single mode or Multi-mode	1	Fiber Pigtail	35	Φ15.5	Φ6.8	2000 rpm	IP68
	FORJ102	Single mode or Multi-mode	1	Fiber Pigtail	45	Φ26	Φ14.6	2000 rpm	IP68
	FORJ103	Single mode or Multi-mode	1	ST	45	Φ26	Φ14.6	2000 rpm	IP68
	FORJ104	Single mode or Multi-mode	1	FC	45	Φ26	Φ14.6	2000 rpm	IP68
	FORJN01	Multi-mode	2	Fiber Pigtail	105	Φ38	Φ20	100rpm	IP60
	FORJN02	Single mode or Multi-mode	2 ~ 3	Fiber Pigtail	110	Φ38	Φ20	400rpm	IP60
	FORJN03	Single mode or Multi-mode	2 ~ 7	Fiber Pigtail	166	Φ60	Φ44	300rpm	IP65

19、 Joystick




R Series of joysticks (R Joystick)

Model		Seal form	Potentionmeters	Electric corner (X、 Y Axis) (Z Axis)	Outline Dimension L x W x H (mm)
	R200	 A  B  C  D	M1:5KΩ 220° M2:5KΩ 50° M3:10KΩ 220° M4:10KΩ 50° For option	±25° ±45°	49.6 x 49.6 x 62.5
	R201				49.6 x 49.6 x 75.5
	R202				49.6 x 49.6 x 84
	R203				49.6 x 49.6 x 94.5
	R204				49.6 x 49.6 x 66
	R205	49.6 x 49.6 x 70.5			
	R300	 A  B			49.6 x 49.6 x 85
	R301				49.6 x 49.6 x 85
	R302				49.6 x 49.6 x 92.5
	R400				49.6 x 49.6 x 95
	R401				49.6 x 49.6 x 95
	R402				49.6 x 49.6 x 92.5

J Series of joysticks (J Joystick)

Model		Resistance	Resistance Tolerance	Electric Degree X、 Y Axis	Electric Degree (Z Axis)	Reset Error rate	Expectd Life	Lead Size
	J300	5KΩ 10KΩ For option	±20%	±25°	±45°	0.05 KΩ	300000 (cycles) Or 500000 (cycles) for option.	AWG28 sliver plated, PTFE insulated standard length 200mm other lengths on request
	J301							
	J302							
	J303							
	J400							

H Series of joysticks (H Joystick)

Model		Output Voltage	Output Current	Rated current / Rated voltage	Center Voltage	Outline Dimension L x W x H (mm)
	HB200	0~5VDC	Max10mA/ (Axis)	Max10mA/(Axis) 5VDC	2.5VDC (±25mA)	48.5 x 48.5 x 92
	HB300					48.5 x 48.5 x 110.5
	HB400					48.5 x 48.5 x 112

All the joysticks can be with USB