

FO208 series 2 channels Fiber-Electric slip ring



2 channels Fiber(support single mode/multi-mode)can transmit 2 channels fiber@1~72 circuits signal at the same time.Suitable for some applications which requires to keep 360° unrestricted,continuous or intermittent rotating and transmit mass data/signal from static side to rotation side, which can improve mechanical performance, simplify system operation and avoiding damages to fiber.

Part No. Description

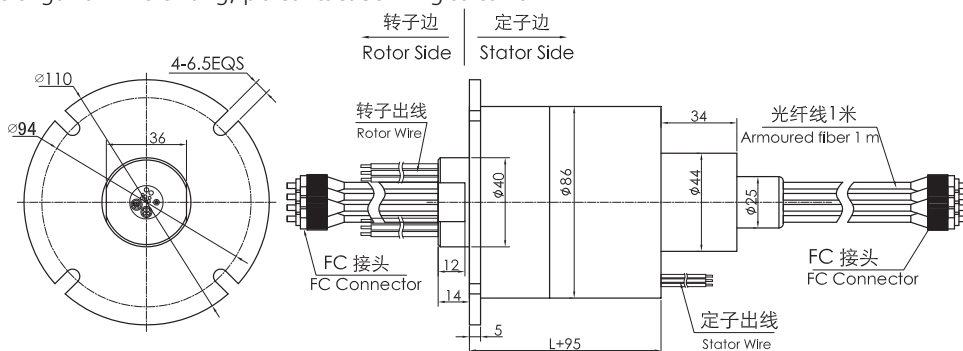
FO208	- Power circuits no.	- Signal circuits no.	- Fiber type	- Connector type	- wavelength
<p>2 channel Fiber -Electric slip ring Fiber Optic rotary joint</p> <p>Example : 0610:06 means 6 circuits, 10 means 10A per circuit</p> <p>Example : 06S:06 means 6 circuits, S means signal</p>					
<p>Wavelength : 01:1310/1550 (Single mode) 02:850/1310 (multi mode)</p> <p>Connector type code : FC:FC connector ST:ST connector SC:SC connector LC:LC connector t connector interface is PC by default, if need APC FC/APC pls add APC,as FC/APC</p> <p>Fiber type code : 01:9/125um(Single mode) 02:50/125um(multi mode) 03:62.5/125um(multi mode)</p>					

Examples

FO208-06S-01-FC-01: FO208 means 2 Channels Fiber Optic rotary joint,06S means can be combined to transmit 6 circuits signal,the first 01 means Fiber type 9/125um(single mode) , FC means FC connector, fiber interface PC, the second 01 means wavelength :1310/1550;

FO208-1810-06S-03-LC/APC-02: FO208 means single channel Fiber-Electric rotary joint,1810 means 18 circuits 10A ,06S means can be combined to transmit 6 circuits signal,03 means Fiber type 62.5/125um(multi-mode), LC/APC means LC connector, APC interface , 02 means wavelength :850/1310;

*Remark: If you have special requirements for fiber channel no., electric circuit no., Fiber connector type, wavelength or wire exiting, pls contact SenRing salesman.



Model List

Model	Fiber Channel no.	10A	Signal /5A	Length L(mm)	Model	Fiber Channel no.	10A	Signal /5A	Length L(mm)
FO208-02S	2	0	2	32	FO208-1210-12S	2	12	12	120
FO208-0210	2	2	0	32	FO208-1810-06S	2	18	6	120
FO208-03S	2	0	3	36	FO208-2410	2	24	0	120
FO208-0310	2	3	0	36	FO208-30S	2	0	30	144
FO208-06S	2	0	6	48	FO208-0610-24S	2	6	24	144
FO208-0210-04S	2	2	4	48	FO208-1210-18S	2	12	18	144
FO208-0410-02S	2	4	2	48	FO208-1810-12S	2	18	12	144
FO208-0610	2	6	0	48	FO208-2410-06S	2	24	6	144
FO208-12S	2	0	12	72	FO208-3010	2	30	0	144
FO208-0210-10S	2	2	10	72	FO208-36S	2	0	36	168
FO208-0310-09S	2	3	9	72	FO208-0610-30S	2	6	30	168
FO208-0610-06S	2	6	6	72	FO208-1210-24S	2	12	24	168
FO208-0810-04S	2	8	4	72	FO208-3610	2	36	0	168
FO208-1010-02S	2	10	2	72	FO208-42S	2	0	42	192

Model	Fiber Channel no.	10A	Signal /5A	Length L(mm)	Model	Fiber Channel no.	10A	Signal /5A	Length L(mm)
FO208-1210	2	12	0	72	FO208-0610-36S	2	6	36	192
FO208-18S	2	0	18	96	FO208-1210-30S	2	12	30	192
FO208-0210-16S	2	2	16	96	FO208-48S	2	0	48	216
FO208-0410-14S	2	4	14	96	FO208-0610-42S	2	6	42	216
FO208-0610-12S	2	6	12	96	FO208-0910-39S	2	9	39	216
FO208-0810-10S	2	8	10	96	FO208-1210-36S	2	12	36	216
FO208-1010-08S	2	10	8	96	FO208-1810-30S	2	18	30	216
FO208-1210-06S	2	12	6	96	FO208-2410-24S	2	24	24	216
FO208-1410-04S	2	14	4	96	FO208-60S	2	0	60	264
FO208-1610-02S	2	16	2	96	FO208-0610-54S	2	6	54	264
FO208-24S	2	0	24	120	FO208-0910-51S	2	9	51	264
FO208-0410-20S	2	4	20	120	FO208-1210-48S	2	12	48	264
FO208-0610-18S	2	6	18	120	FO208-72S	2	0	72	312

技术规格参数

item	type	Single mode (SM)	multi mode (MM)
Bandwidth(nm)		± 50	
Max insertion Loss, 23℃(dB)		4	3.5
Insertion loss fluctuation(dB)		≤2	≤1
Return loss(dB)		≥50(APC)	≥40(PC)
max power(W)		0.5	
Storage temperature(℃)		-50~85	

spec	data	
	power	signal
voltage range	0~440VAC/VDC	0~440VAC/VDC
insulation resistance	≥ 1000mΩ/500VDC	≥ 1000mΩ/500VDC
lead wire spec.	AWG17# Silver-plated teflon	AWG22# Silver-plated teflon
lead wire length	standard 300mm (can be customized)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical noise	<0.01Ω	
Mechanical Data		
spec	data	
working life	8000 millions for ref(depends on working conditions)	
Rotating speed	250RPM	
Work Temperature	-20℃~60℃	
work humidity	0~85% RH	
contact material	precious metal	
housing material	aluminum alloy	
torque	0.1N.m;+0.03N.m/6 circuits	
IP grade	IP51	

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 , FO208-06S wire color sequence: BLK/BRN/RED/ORG/YEL/GRN , 24 color wires as one group , if more than 24wires, repeat as sequence , use number tube to tell group 1#, 2#....