

FO808 series 8 channels Fiber-Electric slip ring



8 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

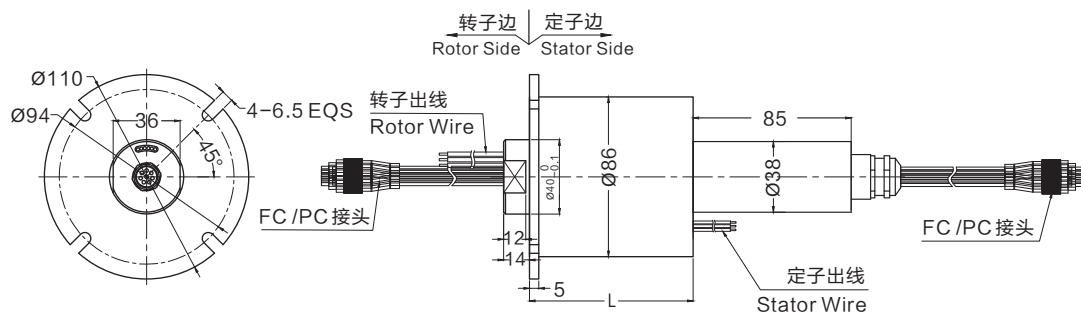
FO808	- Power circuits no.	- Signal circuits no.	- Fiber type	- Connector type	- wavelength	Wavelength :
8 channel Fiber -Electric slip ring Fiber Optic rotary joint						01:1310/1550 (Single mode) 02:850/1310 (multi mode)
Example : 0610:06 means 6 circuits, 10 means 10A per circuit						Connector type 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
Example : 06S:06 means 6 circuits, S means signal						Fiber type code : 01:9/125um(Single mode) 02:50/125um(multi mode) 03:62.5/125um(multi mode)

Examples

FO808-06S-01-FC-01: FO808 means 8 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;

FO808-0610-06S-03-LC/APC-02: FO808 means 8 channels Fiber-Electric rotary joint, 0610 means 6 circuits 10A, 06S means can be combined to transmit 6 circuits signal, 03 means Fiber type 62.5/125m(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)
FO808-02S	8	0	2	32	FO808-1210-12S	8	12	12	120
FO808-0210	8	2	0	32	FO808-1810-06S	8	18	6	120
FO808-03S	8	0	3	36	FO808-2410	8	24	0	120
FO808-0310	8	3	0	36	FO808-30S	8	0	30	144
FO808-06S	8	0	6	48	FO808-0610-24S	8	6	24	144
FO808-0210-04S	8	2	4	48	FO808-1210-18S	8	12	18	144
FO808-0410-02S	8	4	2	48	FO808-1810-12S	8	18	12	144
FO808-0610	8	6	0	48	FO808-2410-06S	8	24	6	144
FO808-12S	8	0	12	72	FO808-3010	8	30	0	144
FO808-0210-10S	8	2	10	72	FO808-36S	8	0	36	168
FO808-0310-09S	8	3	9	72	FO808-0610-30S	8	6	30	168
FO808-0610-06S	8	6	6	72	FO808-1210-24S	8	12	24	168

Model	Fiber Channel no.	10A	Signal /5A	Length L(mm)	Model	Fiber Channel no.	10A	Signal /5A	Length L(mm)
FO808-0810-04S	8	8	4	72	FO808-3610	8	36	0	168
FO808-1010-02S	8	10	2	72	FO808-42S	8	0	42	192
FO808-1210	8	12	0	72	FO808-0610-36S	8	6	36	192
FO808-18S	8	0	18	96	FO808-1210-30S	8	12	30	192
FO808-0210-16S	8	2	16	96	FO808-48S	8	0	48	216
FO808-0410-14S	8	4	14	96	FO808-0610-42S	8	6	42	216
FO808-0610-12S	8	6	12	96	FO808-0910-39S	8	9	39	216
FO808-0810-10S	8	8	10	96	FO808-1210-36S	8	12	36	216
FO808-1010-08S	8	10	8	96	FO808-1810-30S	8	18	30	216
FO808-1210-06S	8	12	6	96	FO808-2410-24S	8	24	24	216
FO808-1410-04S	8	14	4	96	FO808-60S	8	0	60	264
FO808-1610-02S	8	16	2	96	FO808-0610-54S	8	6	54	264
FO808-24S	8	0	24	120	FO808-0910-51S	8	9	51	264
FO808-0410-20S	8	4	20	120	FO808-1210-48S	8	12	48	264
FO808-0610-18S	8	6	18	120	FO808-72S	8	0	72	312

Technical Specification of the slip ring

item	type	Single mode (SM)	multi mode (MM)
Bandwidth(nm)		± 50	
Max insertion Loss, 23℃(dB)		3.5	4.5
Insertion loss fluctuation(dB)		≤ 3	≤ 3
Return loss(dB)		≥ 40 (APC)	≥ 30 (PC)
max power(W)		0.5	
Storage temperature(℃)		-50~85	

spec	data	
	power	signal
voltage range	0~440VAC/VDC	0~440VAC/VDC
insulation resistance	$\geq 1000m\Omega / 500VDC$	$\geq 1000m\Omega / 500VDC$
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	$< 0.01\Omega$	

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