

# FH50119 series Dustproof&waterproof Slip Ring

IP grade: IP65,IP68 optional,hole size 50mm,OD:119mm

## Part No. Description



FH50119 - power circuits - signal circuits - Product grade

FH50119 series  
waterproof slip ring  
ID 50mm,OD 119mm

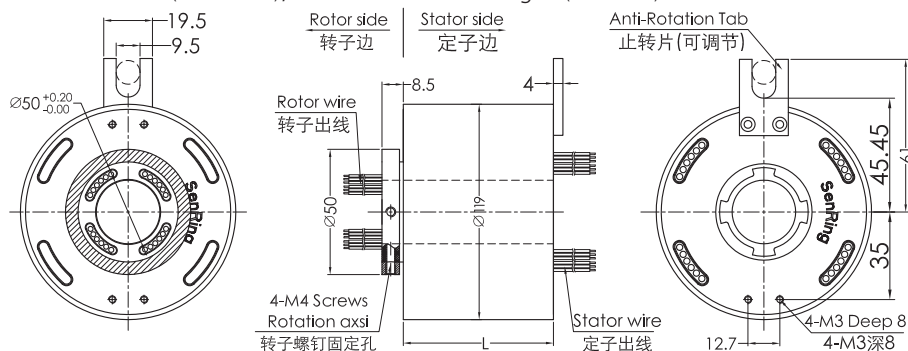
C:standard  
D:industrial

Examples:  
0610:6 circuits@10A  
1210:12 circuits@10A

Examples:  
06S:6 circuits signal@2A(5A options)  
12S:12 circuits signal@2A(5A options)

### Examples

FH50119-0210-06S: FH50119 series Dustproof & waterproof slip ring(hole size 50mm, OD:119mm),0210 means 2 circuits current(10A each),06S means 6 circuits signal(2A each).



### Model List

Model	Circuit/Signal no.		Length L(mm)
	signal/5A	10A	
FH50119-02S	2	0	60
FH50119-0210	0	2	60
FH50119-03S	3	0	64
FH50119-0310	0	3	64
FH50119-06S	6	0	76
FH50119-0210-04S	4	2	76
FH50119-0410-02S	2	4	76
FH50119-0610	0	6	76
FH50119-12S	12	0	100
FH50119-0210-10S	10	2	100
FH50119-0310-09S	9	3	100
FH50119-0610-06S	6	6	100
FH50119-0810-04S	4	8	100
FH50119-1010-02S	2	10	100
FH50119-1210	0	12	100
FH50119-18S	18	0	124
FH50119-0210-16S	16	2	124
FH50119-0410-14S	14	4	124
FH50119-0610-12S	12	6	124
FH50119-0810-10S	10	8	124
FH50119-1010-08S	8	10	124
FH50119-1210-06S	6	12	124
FH50119-1410-04S	4	14	124
FH50119-1610-02S	2	16	124
FH50119-24S	24	0	148
FH50119-0410-20S	20	4	148
FH50119-0610-18S	18	6	148
FH50119-1210-12S	12	12	148
FH50119-1810-06S	6	18	148
FH50119-2410	0	24	148
FH50119-30S	30	0	172
FH50119-0610-24S	24	6	172
FH50119-1210-18S	18	12	172

Model	Circuit/Signal no.		Length L(mm)
	signal/5A	10A	
FH50119-1810-12S	12	18	172
FH50119-2410-06S	6	24	172
FH50119-3010	0	30	172
FH50119-36S	36	0	196
FH50119-0610-30S	30	6	196
FH50119-1210-24S	24	12	196
FH50119-3610	0	36	196
FH50119-42S	42	0	220
FH50119-0610-36S	36	6	220
FH50119-1210-30S	30	12	220
FH50119-4210	0	42	220
FH50119-48S	48	0	244
FH50119-0610-42S	42	6	244
FH50119-1210-36S	36	12	244
FH50119-1810-30S	30	18	244
FH50119-2410-24S	24	24	244
FH50119-4810	0	48	244
FH50119-60S	60	0	292
FH50119-0610-54S	54	6	292
FH50119-0910-51S	51	9	292
FH50119-1210-48S	48	12	292
FH50119-2410-36S	36	24	292
FH50119-72S	72	0	340
FH50119-1210-60S	60	12	340
FH50119-2410-48S	48	24	340
FH50119-3610-36S	36	36	340
FH50119-84S	84	0	388
FH50119-1210-72S	72	12	388
FH50119-2410-60S	60	24	388
FH50119-3610-48S	48	36	388
FH50119-96S	96	0	436
FH50119-1210-84S	84	12	436
FH50119-2410-72S	72	24	436
FH50119-3610-60S	60	36	436
FH50119-4210-54S	54	42	436
FH50119-108S	108	0	484
FH50119-1210-96S	96	12	484
FH50119-2410-84S	84	24	484
FH50119-3610-72S	72	36	484

### Technical Specification of the slip ring

Mechanical Data		Electrical Data		
spec	data	spec	data	
Rotating speed	refer to slip ring grade table	voltage range	0~690VAC/VDC	0~440VAC/VDC
working temp.	-40℃~85℃	insulation resistance	≥ 1000MΩ/500VDC	≥ 1000MΩ/500VDC
IP grade	IP65, optional IP68	lead wire spec.	AWG17#UL Teflon	AWG22#UL Teflon
contact material	refer to slip ring grade table	lead wire length	standard 300mm (can be customized)	
housing material	aluminum alloy	Dielectric Strength	800VAC@50Hz,60s	
torque	0.1N.m;+0.03N.m/6 circuits	Electrical noise	<0.01Ω	

## Grade code

Grade code	Max rotating speed	working life	contact material
C:standard	100RPM	10 millions	precious metal
D:industrial	200RPM	30 millions	gold-gold

## 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 , FH50119-06S 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#....