

# H50119F Series



H50119 series standard precise slip ring with flange , integrated structure design, with through hole 50mm , OD119mm , suitable for rotating application which requires a through hole  $\leq 50\text{mm}$  ( remark: if need a hole  $< 50\text{mm}$ , can add a inner bushing)

## Part No. description

H50119 - F - Power circuits no. - Signal circuits no. - Eproduct grade

H:through hole slip ring  
50119:ID 50mm, OD 119mm

F:with rotor flange(optional)

Example:

0610:6 circuits,10A per circuit

1220:2circuits,10A per circuit

Example:

C: standard level

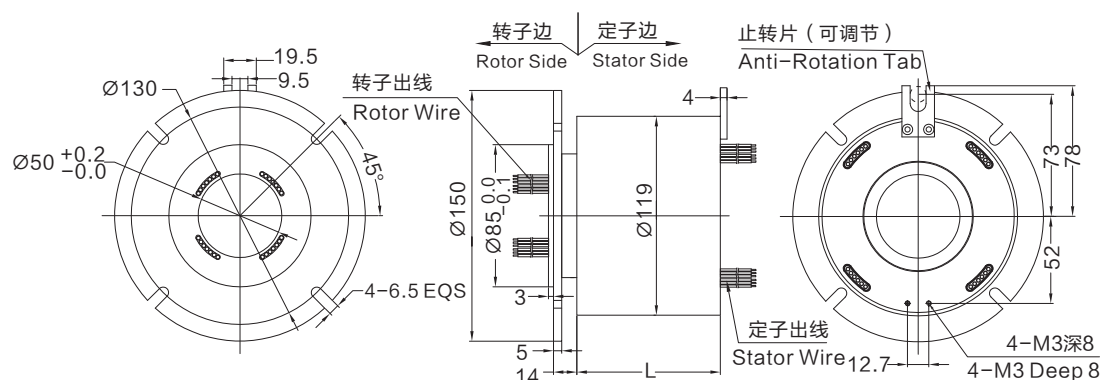
D:Industrial level

H:High quality level

Example:

06S:6circuits signal (0~2A)

12S:12circuits signal (0~2A)



## Standard Model List

H50119 F series model list							
Part no.	Circuit		Length L(mm)	Part no.	Circuit		Length L(mm)
	10A	Signal or 5A			10A	Signal or 5A	
H50119F-02S	0	2	36	H50119F-36S	0	36	172
H50119F-0210	2	0	36	H50119F-0610-30S	6	30	172
H50119F-03S	0	3	40	H50119F-1210-S24	12	24	172
H50119F-0310	3	0	40	H50119F-3610	36	0	172
H50119F-06S	0	6	52	H50119F-42S	0	42	196
H50119F-0210-04S	2	4	52	H50119F-0610-36S	6	36	196
H50119F-0410-02S	4	2	52	H50119F-1210-30S	12	30	196
H50119F-0610	6	0	52	H50119F-4210	42	0	196
H50119F-12S	0	12	76	H50119F-48S	0	48	220
H50119F-0210-10S	2	10	76	H50119F-0610-42S	6	42	220
H50119F-0310-09S	3	9	76	H50119F-1210-36S	12	36	220
H50119F-0610-06S	6	6	76	H50119F-1810-30S	18	30	220
H50119F-0810-04S	8	4	76	H50119F-2410-24S	24	24	220
H50119F-1010-02S	10	2	76	H50119F-4810	48	0	220
H50119F-1210	12	0	76	H50119F-60S	0	60	268
H50119F-18S	0	18	100	H50119F-0610-54S	6	54	268
H50119F-0210-16S	2	16	100	H50119F-0910-51S	9	51	268
H50119F-0410-14S	4	14	100	H50119F-1210-48S	12	48	268
H50119F-0610-12S	6	12	100	H50119F-2410-36S	24	36	268
H50119F-0810-10S	8	10	100	H50119F-72S	0	72	316

Part no	10A	Signal or 5A	Length L(mm)	Part no	10A	Signal or 5A	Length L(mm)
H50119F-1010-08S	10	8	100	H50119F-1210-60S	12	60	316
H50119F-1210-06S	12	6	100	H50119F-2410-48S	24	48	316
H50119F-1410-04S	14	4	100	H50119F-3610-36S	36	36	316
H50119F-1610-02S	16	2	100	H50119F-84S	0	84	364
H50119F-24S	0	24	124	H50119F-1210-72S	12	72	364
H50119F-0410-20S	4	20	124	H50119F-2410-60S	24	60	364
H50119F-0610-18S	6	18	124	H50119F-3610-48S	36	48	364
H50119F-1210-12S	12	12	124	H50119F-96S	0	96	412
H50119F-1810-06S	18	6	124	H50119F-1210-84S	12	84	412
H50119F-2410	24	0	124	H50119F-2410-72S	24	72	412
H50119F-30S	0	30	148	H50119F-3610-60S	36	60	412
H50119F-0610-24S	6	24	148	H50119F-4210-54S	42	54	412
H50119F-1210-18S	12	18	148	H50119F-108S	0	108	460
H50119F-1810-12S	18	12	148	H50119F-1210-96S	12	96	460
H50119F-2410-06S	24	6	148	H50119F-2410-84S	24	84	460
H50119F-3010	30	0	148	H50119F-3610-72S	36	72	460

\*Remark: Circuits can be combined in parallel for bigger current, N circuits of 10A to get N\*10A, such as 2 circuits of 10A in parallel for 20A use. 10A circuits No. and signal circuits (5A) No. can be customized based on standard products, pls inquiry Senring for details.

### Technical Specification

Mechanical		Electrical		
Spec	Data	Spec	Data	
Working life	pls refer to product grade table		Power	Signal
Rotating speed	pls refer to product grade table	Rated voltage	0~690VAC/VDC	0~440VAC/VDC
Working temp.	-30°C~80°C	Insulation resistance	≥1000mΩ/500VDC	≥1000mΩ/500VDC
Work humidity	0~85% RH	Lead wire spec	AWG17# Silver-plated teflon	AWG22# Silver-plated teflon
Contact material	pls refer to produce grade table	Lead wire length	standard 300mm(can be customized)	
Housing material	AL alloy	Dielectric Strength	800VAC@50Hz, 60s	
Torque	0.1N.m (+0.03N.m/6circuits)	Electrical noise	<0.01Ω	
IP grade	IP51			

### Product Grade Table

Grade code	Max rotating speed	Working life	Contact material
C:standard	250RPM	20millisons revolutions	precious metal
D:industrial	600RPM	80millisons revolutions	precious metal
H:high quality	1000RPM	150millisons revolutions	gold alloy

### 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 , H50119F-06S wire color sequence: BLK/BRN/RED/ORG/WHT/GRN , 24 color wires as one group , if more than 24wires, repeat as sequence , use number tube to tell group 1#, 2#....