

# H180298 Series



H180298 series standard precise slip ring , integrated structure design, with through hole 180mm , OD298mm , suitable for rotating application which requires a through hole  $\leq 180\text{mm}$  ( remark: if need a hole  $<180\text{mm}$ , can add a inner bushing)

## Part No. description

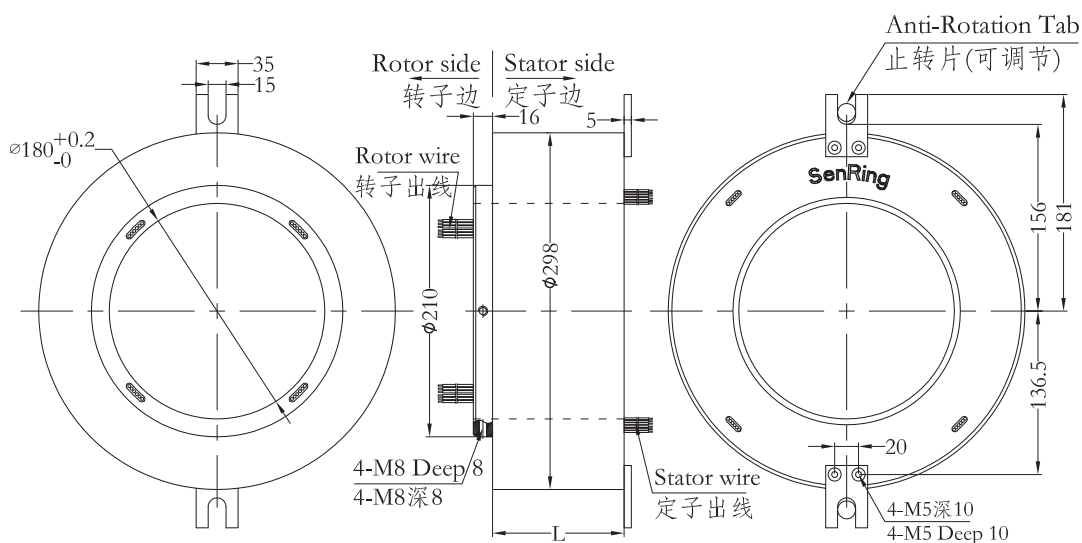
H180298 - Power circuits no. - Signal circuits no. - Eproduct grade

H:through hole slip ring  
180298:ID 180mm, OD 298mm

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

H180298 series model list							
Part no.	Circuit		Length L(mm)	Part no.	Circuit		Length L(mm)
	10A	Signal or 5A			10A	Signal or 5A	
H180298-02S	0	2	70	H180298-36S	0	36	240
H180298-0210	2	0	70	H180298-0610-30S	6	30	240
H180298-03S	0	3	75	H180298-1210-S24	12	24	240
H180298-0310	3	0	75	H180298-3610	36	0	240
H180298-06S	0	6	90	H180298-42S	0	42	270
H180298-0210-04S	2	4	90	H180298-0610-36S	6	36	270
H180298-0410-02S	4	2	90	H180298-1210-30S	12	30	270
H180298-0610	6	0	90	H180298-4210	42	0	270
H180298-12S	0	12	120	H180298-48S	0	48	300
H180298-0210-10S	2	10	120	H180298-0610-42S	6	42	300
H180298-0310-09S	3	9	120	H180298-1210-36S	12	36	300
H180298-0610-06S	6	6	120	H180298-1810-30S	18	30	300
H180298-0810-04S	8	4	120	H180298-2410-24S	24	24	300
H180298-1010-02S	10	2	120	H180298-4810	48	0	300
H180298-1210	12	0	120	H180298-60S	0	60	360
H180298-18S	0	18	150	H180298-0610-54S	6	54	360
H180298-0210-16S	2	16	150	H180298-0910-51S	9	51	360
H180298-0410-14S	4	14	150	H180298-1210-48S	12	48	360
H180298-0610-12S	6	12	150	H180298-2410-36S	24	36	360
H180298-0810-10S	8	10	150	H180298-72S	0	72	420

Part no.	10A	Signal or 5A	Length L(mm)	Part no.	10A	Signal or 5A	Length L(mm)
H180298-1010-08S	10	8	150	H180298-1210-60S	12	60	420
H180298-1210-06S	12	6	150	H180298-2410-48S	24	48	420
H180298-1410-04S	14	4	150	H180298-3610-36S	36	36	420
H180298-1610-02S	16	2	150	H180298-84S	0	84	480
H180298-24S	0	24	180	H180298-1210-72S	12	72	480
H180298-0410-20S	4	20	180	H180298-2410-60S	24	60	480
H180298-0610-18S	6	18	180	H180298-3610-48S	36	48	480
H180298-1210-12S	12	12	180	H180298-96S	0	96	540
H180298-1810-06S	18	6	180	H180298-1210-84S	12	84	540
H180298-2410	24	0	180	H180298-2410-72S	24	72	540
H180298-30S	0	30	210	H180298-3610-60S	36	60	540
H180298-0610-24S	6	24	210	H180298-4210-54S	42	54	540
H180298-1210-18S	12	18	210	H180298-108S	0	108	600
H180298-1810-12S	18	12	210	H180298-1210-96S	12	96	600
H180298-2410-06S	24	6	210	H180298-2410-84S	24	84	600
H180298-3010	30	0	210	H180298-3610-72S	36	72	600

\*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 , H180298-06S 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#....