

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 ≤ 180 mm (remark: if need a hole < 180 mm, can add a inner bushing)

Part No. description

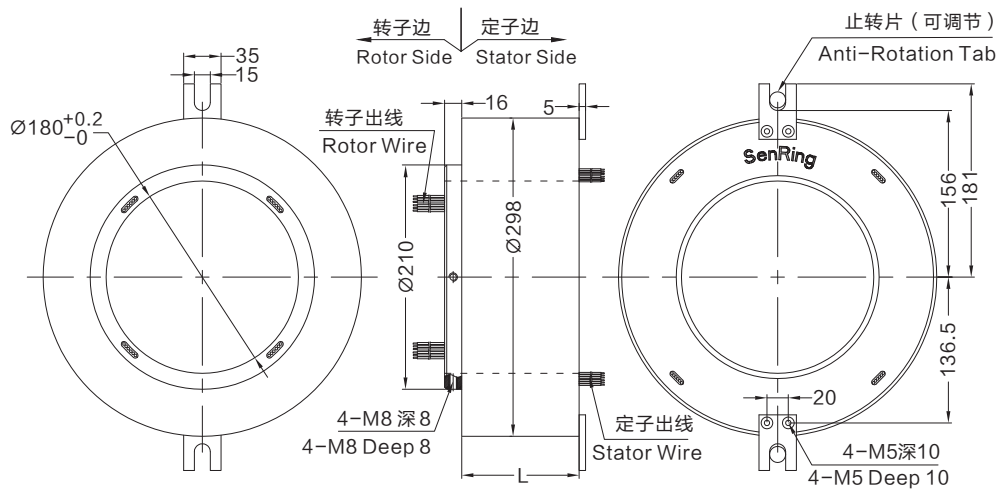
H180298 - Power circuits no. - Signal circuits no. - Eproduct grade

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	20millions revolutions	precious metal
D:industrial	600RPM	80millions revolutions	precious metal

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#....