

H100185 Series

H100185 series standard precise slip ring , integrated structure design, with through hole 100mm , OD185mm , suitable for rotating application which requires a through hole $\leq 100\text{mm}$ (remark: if need a hole $< 100\text{mm}$, can add a inner bushing)

Part No. description

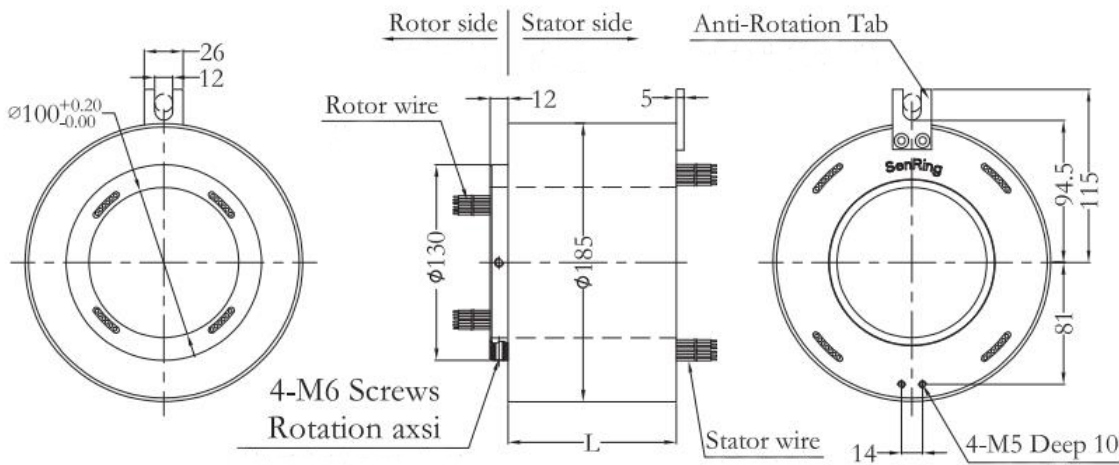
H100185 - Power circuits no. - Signal circuits no. - Eproduct grade

H:through hole slip ring
100185:ID 100mm, OD 185mm

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

H100185 series model list							
art no.	Circuit		Length L(mm)	art no.	Circuit		Length L(mm)
	10A	Signal or 5A			10A	Signal or 5A	
H100185-02S	0	2	48	H100185-36S	0	36	184
H100185-0210	2	0	48	H100185-0610-30S	6	30	184
H100185-03S	0	3	52	H100185-1210-S24	12	24	184
H100185-0310	3	0	52	H100185-3610	36	0	184
H100185-06S	0	6	64	H100185-42S	0	42	208
H100185-0210-04S	2	4	64	H100185-0610-36S	6	36	208
H100185-0410-02S	4	2	64	H100185-1210-30S	12	30	208
H100185-0610	6	0	64	H100185-4210	42	0	208
H100185-12S	0	12	88	H100185-48S	0	48	232
H100185-0210-10S	2	10	88	H100185-0610-42S	6	42	232
H100185-0310-09S	3	9	88	H100185-1210-36S	12	36	232
H100185-0610-06S	6	6	88	H100185-1810-30S	18	30	232
H100185-0810-04S	8	4	88	H100185-2410-24S	24	24	232
H100185-1010-02S	10	2	88	H100185-4810	48	0	232
H100185-1210	12	0	88	H100185-60S	0	60	280
H100185-18S	0	18	112	H100185-0610-54S	6	54	280
H100185-0210-16S	2	16	112	H100185-0910-51S	9	51	280
H100185-0410-14S	4	14	112	H100185-1210-48S	12	48	280
H100185-0610-12S	6	12	112	H100185-2410-36S	24	36	280
H100185-0810-10S	8	10	112	H100185-72S	0	72	328

Part no.	10A	Signal or 5A	Length L(mm)	Part no.	10A	Signal or 5A	Length L(mm)
H100185-1010-08S	10	8	112	H100185-1210-60S	12	60	328
H100185-1210-06S	12	6	112	H100185-2410-48S	24	48	328
H100185-1410-04S	14	4	112	H100185-3610-36S	36	36	328
H100185-1610-02S	16	2	112	H100185-84S	0	84	376
H100185-24S	0	24	136	H100185-1210-72S	12	72	376
H100185-0410-20S	4	20	136	H100185-2410-60S	24	60	376
H100185-0610-18S	6	18	136	H100185-3610-48S	36	48	376
H100185-1210-12S	12	12	136	H100185-96S	0	96	426
H100185-1810-06S	18	6	136	H100185-1210-84S	12	84	426
H100185-2410	24	0	136	H100185-2410-72S	24	72	426
H100185-30S	0	30	160	H100185-3610-60S	36	60	426
H100185-0610-24S	6	24	160	H100185-4210-54S	42	54	426
H100185-1210-18S	12	18	160	H100185-108S	0	108	472
H100185-1810-12S	18	12	160	H100185-1210-96S	12	96	472
H100185-2410-06S	24	6	160	H100185-2410-84S	24	84	472
H100185-3010	30	0	160	H100185-3610-72S	36	72	472

Remark: Circuits can be combined in parallel for bigger current, N circuits of 10A or 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 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 product 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	800RPM	60millions revolutions	precious metal
H:high quality	1200RPM	150millions 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 , H100185-06S wire color sequence: BLK/BRN/RED/ORG/WHT/GRN , 24 color wires as one group , if more than 24wires, repeat as sequence , use number cube of ell group 1#, 2#....