

H4086 Series



H4086 series standard precise slip ring , integrated structure design, with through hole 40mm , OD86mm , suitable for rotating application which requires a through hole $\leq 40\text{mm}$ (remark: if need a hole $< 40\text{mm}$, can add a inner bushing)

Part No. description

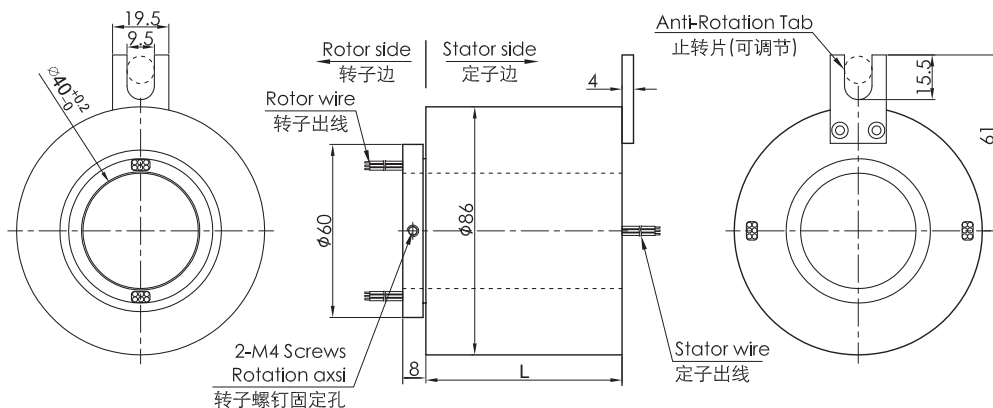
H4086 - Power circuits no. - Signal circuits no. - Product grade

H:through hole slip ring
4086:ID 40mm, OD 86mm

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

H4099 series model list							
art no.	Circuit		Length L(mm)	art no.	Circuit		Length L(mm)
	10A	Signal or 5A			10A	Signal or 5A	
H4086-02S	0	2	32	H4086-1010-08S	10	8	96
H4086-0210	2	0	32	H4086-1210-06S	12	6	96
H4086-03S	0	3	36	H4086-1410-04S	14	4	96
H4086-0310	3	0	36	H4086-1610-02S	16	2	96
H4086-06S	0	6	48	H4086-24S	0	24	120
H4086-0210-04S	2	4	48	H4086-0410-20S	4	20	120
H4086-0410-02S	4	2	48	H4086-0610-18S	6	18	120
H4086-0610	6	0	48	H4086-1210-12S	12	12	120
H4086-12S	0	12	72	H4086-1810-06S	18	6	120
H4086-0210-10S	2	10	72	H4086-2410	24	0	120
H4086-0310-09S	3	9	72	H4086-30S	0	30	144
H4086-0610-06S	6	6	72	H4086-0210-28S	2	28	144
H4086-0810-04S	8	4	72	H4086-0410-26S	4	26	144
H4086-1010-02S	10	2	72	H4086-0610-24S	6	24	144
H4086-1210	12	0	72	H4086-36S	0	36	168
H4086-18S	0	18	96	H4086-0410-32S	4	32	168
H4086-0210-16S	2	16	96	H4086-0610-30S	6	30	168
H4086-0410-14S	4	14	96	H4086-42S	0	42	192
H4086-0610-12S	6	12	96	H4086-0410-38S	4	38	192
H4086-0810-10S	8	10	96	H4086-48S	0	48	216

*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 circuit 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	400RPM	20millisons revolutions	precious metal
D:industrial	800RPM	60millisons revolutions	precious metal
H:high quality	1200RPM	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 , H4086-06S 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#....