

H2042 Series

H2042 series standard precise slip ring, integrated structure design, with through hole 20mm , OD42mm , suitable for rotating application which requires a through hole $\leq 5\text{mm}$ (remark: if need a hole $<20\text{mm}$, can add a inner bushing)

Part No. Description

H2042 - Signal circuits no. - Eroduct grade

H:through hole slip ring
2042:ID 20mm, OD 42mm

Example:

06S:6circuits signal (0~5A)

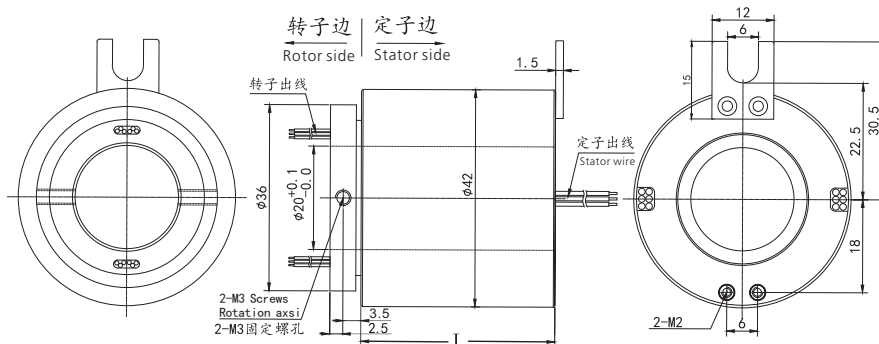
12S:12circuits signal (0~5A)

Example:

C: standard level

D:Industrial level

H:High quality level



Standard Model List

H2042 series model list		
Part no.	Circuits no. (signal or 0~5A)	Length L(mm)
H2042-02S	2	25.5
H2042-03S	3	25.5
H2042-04S	4	25.5
H2042-06S	6	25.5
H2042-08S	8	37.5
H2042-10S	10	37.5
H2042-12S	12	37.5

*Remark: Circuits can be combined in parallel for bigger current, N circuits of 5A to get N*5A, such as 2 circuits of 5A in parallel for 10A use.

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	0~240VAC/DC
Working temp.	-30°C~80°C	Insulation resistance	$\geq 500\text{m}\Omega/500\text{VDC}$
Work humidity	0~85% RH	Lead wire spec	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	500VAC@50Hz,60s
Torque	0.05N.m (+0.03N.m/6circuits)	Electrical noise	$<0.01\Omega$
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