

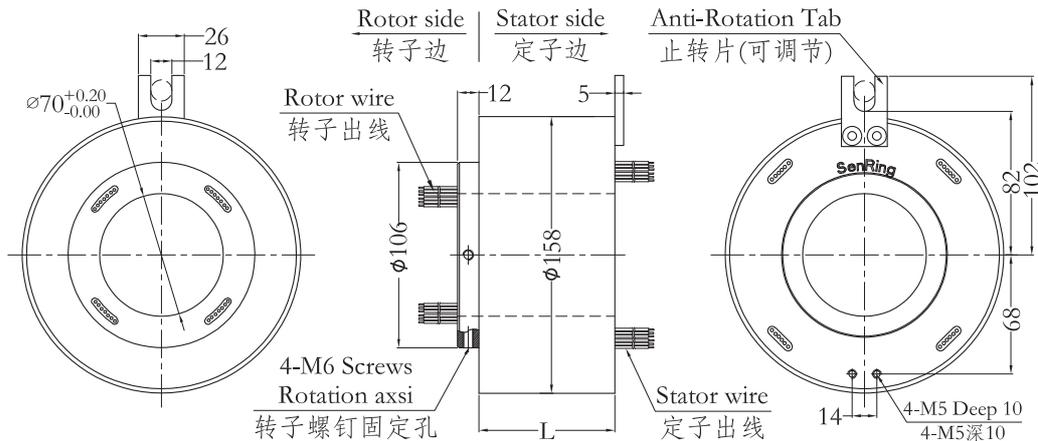
H70158 Series



H70158 series standard precise slip ring , integrated structure design, with through hole 70mm , OD158mm , suitable for rotating application which requires a through hole <=70mm (remark: if need a hole <70mm, can add a inner bushing)

Part No. description

| H70158 - Power circuits no. - Signal circuits no. - Erodct grade | |
|--|---|
| H:through hole slip ring 70158:ID 70mm, OD 158mm 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

| H70158 series model list | | | | | | | |
|--------------------------|---------|--------------|--------------|-----------------|---------|--------------|--------------|
| Part no. | Circuit | | Length L(mm) | Part no. | Circuit | | Length L(mm) |
| | 10A | Signal or 5A | | | 10A | Signal or 5A | |
| H70158-02S | 0 | 2 | 42 | H70158-36S | 0 | 36 | 178 |
| H70158-0210 | 2 | 0 | 42 | H70158-0610-30S | 6 | 30 | 178 |
| H70158-03S | 0 | 3 | 46 | H70158-1210-S24 | 12 | 24 | 178 |
| H70158-0310 | 3 | 0 | 46 | H70158-3610 | 36 | 0 | 178 |
| H70158-06S | 0 | 6 | 58 | H70158-42S | 0 | 42 | 202 |
| H70158-0210-04S | 2 | 4 | 58 | H70158-0610-36S | 6 | 36 | 202 |
| H70158-0410-02S | 4 | 2 | 58 | H70158-1210-30S | 12 | 30 | 202 |
| H70158-0610 | 6 | 0 | 58 | H70158-4210 | 42 | 0 | 202 |
| H70158-12S | 0 | 12 | 82 | H70158-48S | 0 | 48 | 226 |
| H70158-0210-10S | 2 | 10 | 82 | H70158-0610-42S | 6 | 42 | 226 |
| H70158-0310-09S | 3 | 9 | 82 | H70158-1210-36S | 12 | 36 | 226 |
| H70158-0610-06S | 6 | 6 | 82 | H70158-1810-30S | 18 | 30 | 226 |
| H70158-0810-04S | 8 | 4 | 82 | H70158-2410-24S | 24 | 24 | 226 |
| H70158-1010-02S | 10 | 2 | 82 | H70158-4810 | 48 | 0 | 226 |
| H70158-1210 | 12 | 0 | 82 | H70158-60S | 0 | 60 | 274 |
| H70158-18S | 0 | 18 | 106 | H70158-0610-54S | 6 | 54 | 274 |
| H70158-0210-16S | 2 | 16 | 106 | H70158-0910-51S | 9 | 51 | 274 |
| H70158-0410-14S | 4 | 14 | 106 | H70158-1210-48S | 12 | 48 | 274 |
| H70158-0610-12S | 6 | 12 | 106 | H70158-2410-36S | 24 | 36 | 274 |
| H70158-0810-10S | 8 | 10 | 106 | H70158-72S | 0 | 72 | 322 |

| Part no. | 10A | Signal or 5A | Length L(mm) | Part no. | 10A | Signal or 5A | Length L(mm) |
|-----------------|-----|--------------|--------------|-----------------|-----|--------------|--------------|
| H70158-1010-08S | 10 | 8 | 106 | H70158-1210-60S | 12 | 60 | 322 |
| H70158-1210-06S | 12 | 6 | 106 | H70158-2410-48S | 24 | 48 | 322 |
| H70158-1410-04S | 14 | 4 | 106 | H70158-3610-36S | 36 | 36 | 322 |
| H70158-1610-02S | 16 | 2 | 106 | H70158-84S | 0 | 84 | 370 |
| H70158-24S | 0 | 24 | 130 | H70158-1210-72S | 12 | 72 | 370 |
| H70158-0410-20S | 4 | 20 | 130 | H70158-2410-60S | 24 | 60 | 370 |
| H70158-0610-18S | 6 | 18 | 130 | H70158-3610-48S | 36 | 48 | 370 |
| H70158-1210-12S | 12 | 12 | 130 | H70158-96S | 0 | 96 | 418 |
| H70158-1810-06S | 18 | 6 | 130 | H70158-1210-84S | 12 | 84 | 418 |
| H70158-2410 | 24 | 0 | 130 | H70158-2410-72S | 24 | 72 | 418 |
| H70158-30S | 0 | 30 | 154 | H70158-3610-60S | 36 | 60 | 418 |
| H70158-0610-24S | 6 | 24 | 154 | H70158-4210-54S | 42 | 54 | 418 |
| H70158-1210-18S | 12 | 18 | 154 | H70158-108S | 0 | 108 | 466 |
| H70158-1810-12S | 18 | 12 | 154 | H70158-1210-96S | 12 | 96 | 466 |
| H70158-2410-06S | 24 | 6 | 154 | H70158-2410-84S | 24 | 84 | 466 |
| H70158-3010 | 30 | 0 | 154 | H70158-3610-72S | 36 | 72 | 466 |

*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 | 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 , H70158-06S 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#....