

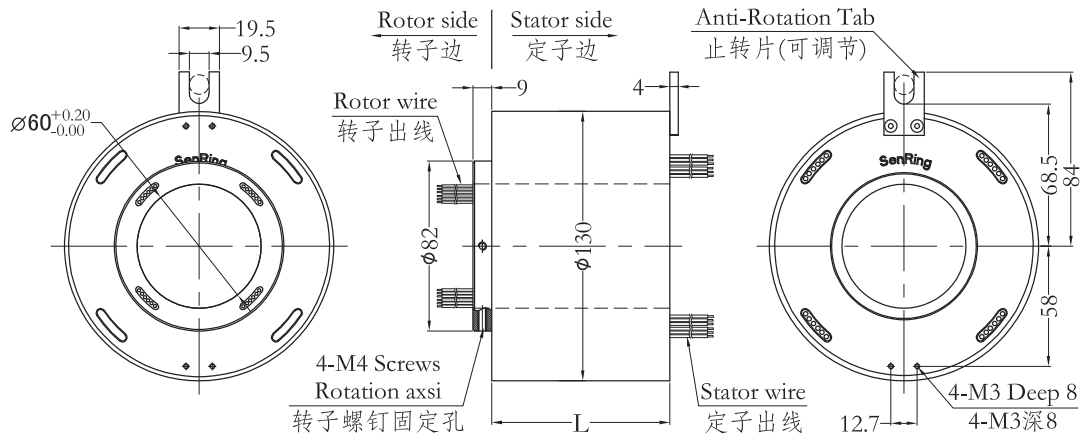
# H60130 Series

H60130 series standard precise slip ring , integrated structure design, with through hole 60mm , OD130mm , suitable for rotating application which requires a through hole <=60mm ( remark: if need a hole <60mm, can add a inner bushing)



## Part No. description

| H60130 - Power circuits no. - Signal circuits no. - Eproduct grade   |  |
|--|--|
| H:through hole slip ring<br>60130:ID 60mm, OD 130mm<br><br>Example:<br>0610:6 circuits,10A per circuit<br>1220:2circuits,10A per circuit | Example:<br>C: standard level<br>D:Industrial level<br>H:High quality level<br><br>Example:<br>06S:6circuits signal (0~2A)<br>12S:12circuits signal (0~2A) |



## Standard Model List

| H60130 series model list |         |              |              |                 |         |              |              |
|--------------------------|---------|--------------|--------------|-----------------|---------|--------------|--------------|
| Part no.                 | Circuit |              | Length L(mm) | Part no.        | Circuit |              | Length L(mm) |
|                          | 10A     | Signal or 5A |              |                 | 10A     | Signal or 5A |              |
| H60130-02S               | 0       | 2            | 36           | H60130-36S      | 0       | 36           | 172          |
| H60130-0210              | 2       | 0            | 36           | H60130-0610-30S | 6       | 30           | 172          |
| H60130-03S               | 0       | 3            | 40           | H60130-1210-S24 | 12      | 24           | 172          |
| H60130-0310              | 3       | 0            | 40           | H60130-3610     | 36      | 0            | 172          |
| H60130-06S               | 0       | 6            | 52           | H60130-42S      | 0       | 42           | 196          |
| H60130-0210-04S          | 2       | 4            | 52           | H60130-0610-36S | 6       | 36           | 196          |
| H60130-0410-02S          | 4       | 2            | 52           | H60130-1210-30S | 12      | 30           | 196          |
| H60130-0610              | 6       | 0            | 52           | H60130-4210     | 42      | 0            | 196          |
| H60130-12S               | 0       | 12           | 76           | H60130-48S      | 0       | 48           | 220          |
| H60130-0210-10S          | 2       | 10           | 76           | H60130-0610-42S | 6       | 42           | 220          |
| H60130-0310-09S          | 3       | 9            | 76           | H60130-1210-36S | 12      | 36           | 220          |
| H60130-0610-06S          | 6       | 6            | 76           | H60130-1810-30S | 18      | 30           | 220          |
| H60130-0810-04S          | 8       | 4            | 76           | H60130-2410-24S | 24      | 24           | 220          |
| H60130-1010-02S          | 10      | 2            | 76           | H60130-4810     | 48      | 0            | 220          |
| H60130-1210              | 12      | 0            | 76           | H60130-60S      | 0       | 60           | 268          |
| H60130-18S               | 0       | 18           | 100          | H60130-0610-54S | 6       | 54           | 268          |
| H60130-0210-16S          | 2       | 16           | 100          | H60130-0910-51S | 9       | 51           | 268          |
| H60130-0410-14S          | 4       | 14           | 100          | H60130-1210-48S | 12      | 48           | 268          |
| H60130-0610-12S          | 6       | 12           | 100          | H60130-2410-36S | 24      | 36           | 268          |
| H60130-0810-10S          | 8       | 10           | 100          | H60130-72S      | 0       | 72           | 316          |

| Part no.        | 10A | Signal or 5A | Length L(mm) | Part no.        | 10A | Signal or 5A | Length L(mm) |
|-----------------|-----|--------------|--------------|-----------------|-----|--------------|--------------|
| H60130-1010-08S | 10  | 8            | 100          | H60130-1210-60S | 12  | 60           | 316          |
| H60130-1210-06S | 12  | 6            | 100          | H60130-2410-48S | 24  | 48           | 316          |
| H60130-1410-04S | 14  | 4            | 100          | H60130-3610-36S | 36  | 36           | 316          |
| H60130-1610-02S | 16  | 2            | 100          | H60130-84S      | 0   | 84           | 364          |
| H60130-24S      | 0   | 24           | 124          | H60130-1210-72S | 12  | 72           | 364          |
| H60130-0410-20S | 4   | 20           | 124          | H60130-2410-60S | 24  | 60           | 364          |
| H60130-0610-18S | 6   | 18           | 124          | H60130-3610-48S | 36  | 48           | 364          |
| H60130-1210-12S | 12  | 12           | 124          | H60130-96S      | 0   | 96           | 412          |
| H60130-1810-06S | 18  | 6            | 124          | H60130-1210-84S | 12  | 84           | 412          |
| H60130-2410     | 24  | 0            | 124          | H60130-2410-72S | 24  | 72           | 412          |
| H60130-30S      | 0   | 30           | 148          | H60130-3610-60S | 36  | 60           | 412          |
| H60130-0610-24S | 6   | 24           | 148          | H60130-4210-54S | 42  | 54           | 412          |
| H60130-1210-18S | 12  | 18           | 148          | H60130-108S     | 0   | 108          | 460          |
| H60130-1810-12S | 18  | 12           | 148          | H60130-1210-96S | 12  | 96           | 460          |
| H60130-2410-06S | 24  | 6            | 148          | H60130-2410-84S | 24  | 84           | 460          |
| H60130-3010     | 30  | 0            | 148          | H60130-3610-72S | 36  | 72           | 460          |

\*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#<br>Silver-plated teflon    | AWG22#<br>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 , H60130-06S 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#....