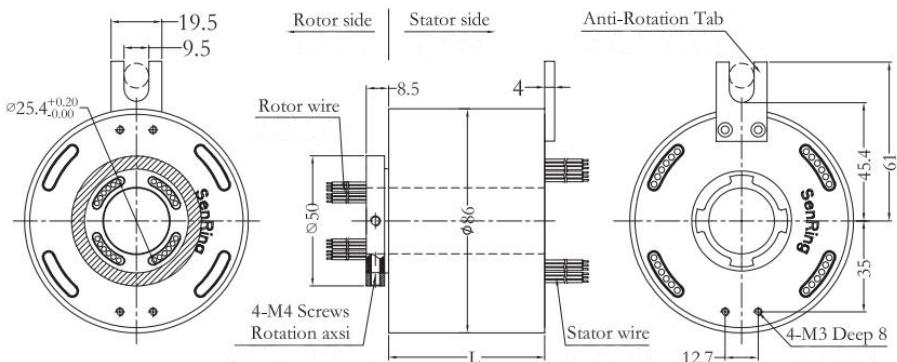


# H2586 Series

H2586 series standard precise slip ring, integrated structure design, with through hole 25.4mm, OD86mm, suitable for rotating application which equates a through hole <=25.4mm (remark: if need a hole <25.4mm, can add an inner bushing)

## Part No. description

| H2586  | - Power circuits no. | - Signal circuits no. | - Product grade   |
|--|----------------------|-----------------------|---|
| H:through hole slip ring<br>2586:ID 25.4mm, OD 86mm                            |                      |                       | Example:<br>C: standard level<br>D:Industrial level<br>H:High quality level |
| Example:<br>610:6 circuits, 10A per circuit<br>1220:2circuits, 10A per circuit |                      |                       | Example:<br>06S:6circuits signal (0~2A)<br>12S:12circuits signal (~2A)      |



## Standard Model List

| Part no.       | H2586 series model list |               |              |               | 10A Circuits | Signal or 0~5A | Length L(mm) |
|----------------|-------------------------|---------------|--------------|---------------|--------------|----------------|--------------|
|                | 10A                     | Signal or 0~5 | Length L(mm) | Part no.      |              |                |              |
| H2586-02S      | 0                       | 2             | 32           | H2586-1210-12 | 12           | 12             | 120          |
| H2586-0210     | 2                       | 0             | 32           | H2586-1810-6  | 18           | 6              | 120          |
| H2586-03S      | 0                       | 3             | 36           | H2586-2410    | 24           |                | 120          |
| H2586-0310     | 3                       | 0             | 36           | H2586-30S     |              | 30             | 144          |
| H2586-06S      | 0                       | 6             | 48           | H2586-0610-24 | 6            | 24             | 144          |
| H2586-0210-04S | 2                       | 4             | 48           | H2586-1210-18 | 12           | 18             | 144          |
| H2586-0410-02S | 4                       | 2             | 48           | H2586-1810-12 | 18           | 12             | 144          |
| H2586-0610     | 6                       | 0             | 48           | H2586-2410-6  | 24           | 6              | 144          |
| H2586-12S      | 0                       | 12            | 72           | H2586-3010    | 30           |                | 144          |
| H2586-0210-10S | 2                       | 1             | 72           | H2586-36S     |              | 36             | 168          |
| H2586-0310-09S | 3                       | 9             | 72           | H2586-0610-30 | 6            | 30             | 168          |
| H2586-0610-06S | 6                       | 6             | 72           | H2586-1210-24 | 12           | 24             | 168          |
| H2586-0810-04S | 8                       | 4             | 72           | H2586-3610    | 36           |                | 168          |
| H2586-1010-02S | 10                      | 2             | 72           | H2586-42S     |              | 42             | 192          |
| H2586-1210     | 12                      | 0             | 72           | H2586-0610-36 | 6            | 36             | 192          |
| H2586-18S      | 0                       | 18            | 96           | H2586-1210-30 | 12           | 30             | 192          |
| H2586-0210-16S | 2                       | 16            | 96           | H2586-48S     |              | 48             | 216          |
| H2586-0410-14S | 4                       | 14            | 96           | H2586-0610-42 | 6            | 42             | 216          |
| H2586-0610-12S | 6                       | 12            | 96           | H2586-1010-38 | 10           | 38             | 216          |
| H2586-0810-10S | 8                       | 1             | 96           | H2586-1210-36 | 12           | 36             | 216          |
| H2586-1010-08S | 10                      | 8             | 96           | H2586-1810-30 | 18           | 30             | 216          |
| H2586-1210-06S | 12                      | 6             | 96           | H2586-2410-24 | 24           | 24             | 216          |
| H2586-1410-04S | 14                      | 4             | 96           | H2586-60S     |              | 60             | 264          |
| H2586-1610-02S | 16                      | 2             | 96           | H2586-0610-54 | 6            | 54             | 264          |
| H2586-24S      | 0                       | 24            | 12           | H2586-1010-50 | 10           | 50             | 264          |
| H2586-0410-20S | 4                       | 2             | 12           | H2586-1210-48 | 12           | 48             | 264          |
| H2586-0610-18S | 6                       | 18            | 12           | H2586-72S     |              | 72             | 312          |

Remark:Circuits can be combined in parallel for bigger current , N circuits of 10A or up to 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             | 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 , H2586-06S 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#....


[www.ato.com](http://www.ato.com)

[sales@ato.com](mailto:sales@ato.com)

[Global Shipping](#)

[+1 800-585-1519](#)