

H60119 Series

H60119 series standard precise slip ring , integrated structure design, with through hole 60mm , OD119mm , suitable for rotating application which requires a through hole <=60mm (remark: if need a hole <60mm, can add a inner bushing)



Part No. description

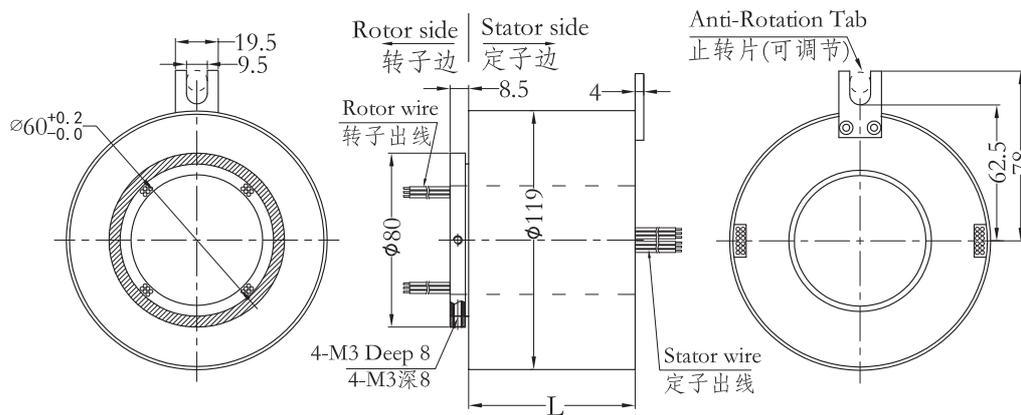
H60119 - Power circuits no. - Signal circuits no. - Eproduct grade

H:through hole slip ring
60119:ID 60mm, OD 119mm

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

| H60119 series model list | | | | | | | |
|--------------------------|---------|--------------|--------------|------------------|---------|--------------|--------------|
| Part no. | Circuit | | Length L(mm) | Part no. | Circuit | | Length L(mm) |
| | 10A | Signal or 5A | | | 10A | Signal or 5A | |
| H60119-02S | 0 | 2 | 36 | H60119-36S | 0 | 36 | 172 |
| H60119-0210 | 2 | 0 | 36 | H60119-0610-30S | 6 | 30 | 172 |
| H60119-03S | 0 | 3 | 40 | H60119-1210-S24 | 12 | 24 | 172 |
| H60119-0310 | 3 | 0 | 40 | H60119-3610 | 36 | 0 | 172 |
| H60119-06S | 0 | 6 | 52 | H60119-42S | 0 | 42 | 196 |
| H60119-0210-04S | 2 | 4 | 52 | H60119-0610-36S | 6 | 36 | 196 |
| H60119-0410-02S | 4 | 2 | 52 | H60119-1210-30S | 12 | 30 | 196 |
| H60119-0610 | 6 | 0 | 52 | H60119-4210 | 42 | 0 | 196 |
| H60119-12S | 0 | 12 | 76 | H60119-48S | 0 | 48 | 220 |
| H60119-0210-10S | 2 | 10 | 76 | H60119-0610-42S | 6 | 42 | 220 |
| H60119-0310-09S | 3 | 9 | 76 | H60119-1210-36S | 12 | 36 | 220 |
| H60119-0610-06S | 6 | 6 | 76 | H60119-1810-30S | 18 | 30 | 220 |
| H60119-0810-04S | 8 | 4 | 76 | H60119-P2410-24S | 24 | 24 | 220 |
| H60119-1010-02S | 10 | 2 | 76 | H60119-4810 | 48 | 0 | 220 |
| H60119-1210 | 12 | 0 | 76 | H60119-60S | 0 | 60 | 268 |
| H60119-18S | 0 | 18 | 100 | H60119-0610-54S | 6 | 54 | 268 |
| H60119-0210-16S | 2 | 16 | 100 | H60119-0910-51S | 9 | 51 | 268 |
| H60119-0410-14S | 4 | 14 | 100 | H60119-1210-48S | 12 | 48 | 268 |
| H60119-0610-12S | 6 | 12 | 100 | H60119-2410-36S | 24 | 36 | 268 |
| H60119-0810-10S | 8 | 10 | 100 | H60119-72S | 0 | 72 | 316 |

| Part no. | 10A | Signal or 5A | Length L(mm) | Part no. | 10A | Signal or 5A | Length L(mm) |
|-----------------|-----|--------------|--------------|-----------------|-----|--------------|--------------|
| H60119-1010-08S | 10 | 8 | 100 | H60119-1210-60S | 12 | 60 | 316 |
| H60119-1210-06S | 12 | 6 | 100 | H60119-2410-48S | 24 | 48 | 316 |
| H60119-1410-04S | 14 | 4 | 100 | H60119-3610-36S | 36 | 36 | 316 |
| H60119-1610-02S | 16 | 2 | 100 | H60119-84S | 0 | 84 | 364 |
| H60119-24S | 0 | 24 | 124 | H60119-1210-72S | 12 | 72 | 364 |
| H60119-0410-20S | 4 | 20 | 124 | H60119-2410-60S | 24 | 60 | 364 |
| H60119-0610-18S | 6 | 18 | 124 | H60119-3610-48S | 36 | 48 | 364 |
| H60119-1210-12S | 12 | 12 | 124 | H60119-96S | 0 | 96 | 412 |
| H60119-1810-06S | 18 | 6 | 124 | H60119-1210-84S | 12 | 84 | 412 |
| H60119-2410 | 24 | 0 | 124 | H60119-2410-72S | 24 | 72 | 412 |
| H60119-30S | 0 | 30 | 148 | H60119-3610-60S | 36 | 60 | 412 |
| H60119-0610-24S | 6 | 24 | 148 | H60119-4210-54S | 42 | 54 | 412 |
| H60119-1210-18S | 12 | 18 | 148 | H60119-108S | 0 | 108 | 460 |
| H60119-1810-12S | 18 | 12 | 148 | H60119-1210-96S | 12 | 96 | 460 |
| H60119-2410-06S | 24 | 6 | 148 | H60119-2410-84S | 24 | 84 | 460 |
| H60119-3010 | 30 | 0 | 148 | H60119-3610-72S | 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# 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 , H60119-06S 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#....