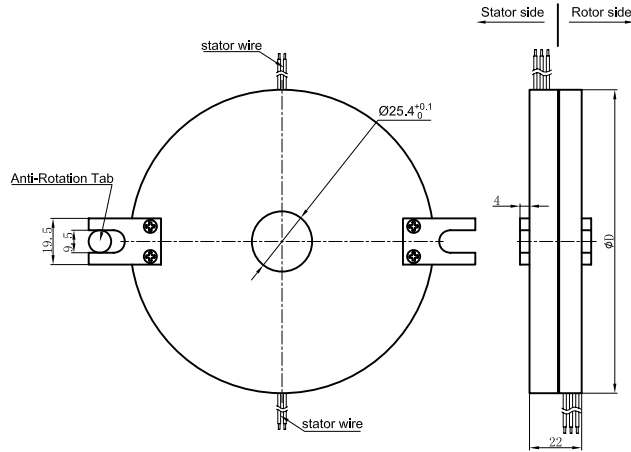


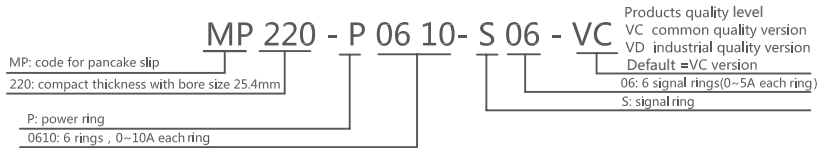
MP220 Series Pancake Slip Ring

MP220 pancake slip ring has a thickness of 22mm, through bore size is 25.4mm, all aluminum alloy structure, using precious metal contact material and gold-plated processing. It can transmit stable signal and power with small resistance fluctuations.

Designed for min thickness requirements, when thickness is limitative but diameter is no limitative.



Explanation



Part# list

| MP220 Series Pancake Slip Ring | | | | |
|--------------------------------|-------------|-----|-----|---------|
| Parts# | Signal (5A) | 10A | 20A | ΦD (mm) |
| MP220-S02 | 2 | 0 | 0 | 92 |
| MP220-P0210 | 0 | 2 | 0 | 92 |
| MP220-P0210-S02 | 2 | 2 | 0 | 108 |
| MP220-P0410 | 0 | 4 | 0 | 108 |
| MP220-S06 | 6 | 0 | 0 | 124 |
| MP220-P0610 | 0 | 6 | 0 | 124 |
| MP220-P0620 | 0 | 0 | 6 | 124 |
| MP220-P0210-S04 | 4 | 2 | 0 | 124 |
| MP220-S12 | 12 | 0 | 0 | 172 |
| MP220-P1210 | 0 | 12 | 0 | 172 |
| MP220-P1220 | 0 | 0 | 12 | 172 |
| MP220-P0610-S06 | 6 | 6 | 0 | 172 |
| MP220-P0620-S06 | 6 | 0 | 6 | 172 |
| MP220-S18 | 18 | 0 | 0 | 216 |
| MP220-P1810 | 0 | 18 | 0 | 216 |
| MP220-P0610-S12 | 12 | 6 | 0 | 216 |
| MP220-P1210-S06 | 6 | 12 | 0 | 216 |
| MP220-P0810-S10 | 10 | 8 | 0 | 216 |
| MP220-S24 | 24 | 0 | 0 | 268 |
| MP220-P2410 | 0 | 24 | 0 | 268 |
| MP220-P0610-S18 | 18 | 6 | 0 | 268 |
| MP220-P1210-S12 | 12 | 12 | 0 | 268 |
| MP220-S36 | 36 | 0 | 0 | 364 |
| MP220-S48 | 48 | 0 | 0 | 460 |

Note:1) N channels 10A rings parallel can be used as 1 channel N*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A
 2) Through bore size, total circuits and current can be customized, please contact sales for more details.

Specifications

| Electrical Data | |
|-----------------------|---------------------------------|
| Parameter | Value |
| | Power |
| Rated Voltage | 0~440VAC/VDC |
| Insulation Resistance | ≥1000MΩ/500VDC |
| Lead Wire | AWG16#Teflon |
| Lead Length | Standard 300mm (adjustable) |
| Dielectric Strength | 500VAC@50Hz , 60s |
| Electrical Noise | <0.01Ω |
| | Signal |
| | 0~240VAC/VDC |
| | ≥1000MΩ/500VDC |
| | AWG22#Teflon |
| Mechanical Data | |
| Parameter | Value |
| Working Life | See product quality level table |
| Rotating Speed | See product quality level table |
| Working Temperature | -30°C~80°C |
| Operating Humidity | 0~85% RH |
| Contact Material | See product quality level table |
| Housing Material | aluminium alloy |
| Torque | 0.05N.m ; +0.03N.m/6rings |
| Protection Grade | IP51 |

Product Quality Level Table

| Products Level Code | Max Rotating Speed | Working Life | Contact Material |
|---------------------|--------------------|-----------------|------------------|
| VC | 60RPM | 3 million revs | Precious Metal |
| VD | 200RPM | 10 million revs | Gold-plated |

Lead Wires Color Code

| Ring | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Color | BLK | RED | YEL | GRN | BLU | WHT | BLK | RED | YEL | GRN | BLU | WHT |

Note : 6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe.