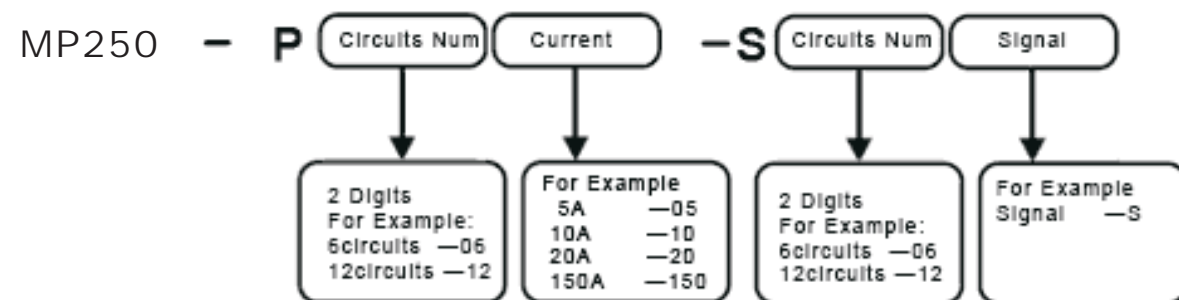


Build On Request

how to build on request?

Please see ordering information instructions as below:



For example:

- ▶ if order MP250 with 8wires*15A each + 17wires*signal, the model should be **MP250-P0815-S17**.
- ▶ if order MP250 with 15wires*10A each + 3 wires*50A + 8wires*signal, the model should be **MP250-P1510-P0350-S08**
- ▶ if you have other optional requirements, such as wire exit direction, lead wire length, connectors, high temperature, large current, military grade, Please describe in your email.

After Finishing above, pls send email to us: technical@moflon.com for further technical support.

MP270 Slip Rings

MP270 slip rings, with through bore size 70.00mm(2.75"), Thickness(Length) 30.00mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

PART# Explanation:

MP270 - P0610 - S06

S06: signal/2A each @ 6 circuits

P0610: 10A each @ 6 circuits



Specifications

| PART # | OD | SIGNAL 2A | 10A | 20A | TOTAL WIRES | PART # | OD | SIGNAL 2A | 10A | 20A | TOTAL WIRES |
|-----------------|-----|-----------|-----|-----|-------------|-----------------|-----|-----------|-----|-----|-------------|
| MP270-S02 | 152 | 2 | 0 | 0 | 2 | MP270-P0210 | 152 | 0 | 2 | 0 | 2 |
| MP270-P0210-S02 | 168 | 2 | 2 | 0 | 4 | MP270-P0410 | 168 | 0 | 4 | 2 | 4 |
| MP270-S06 | 184 | 6 | 0 | 0 | 6 | MP270-P0610 | 184 | 0 | 6 | 0 | 6 |
| MP270-P0620 | 184 | 0 | 0 | 6 | 6 | MP270-P0210-S04 | 184 | 4 | 2 | 0 | 6 |
| MP270-S12 | 232 | 12 | 0 | 0 | 12 | MP270-P1210 | 232 | 0 | 12 | 0 | 12 |
| MP270-P1220 | 232 | 0 | 0 | 12 | 12 | MP270-P0610-S06 | 232 | 6 | 6 | 0 | 12 |
| MP270-P0620-S06 | 232 | 6 | 0 | 6 | 12 | MP270-S18 | 280 | 18 | 0 | 0 | 18 |
| MP270-P1810 | 280 | 0 | 18 | 0 | 18 | MP270-P0610-S12 | 280 | 12 | 6 | 0 | 18 |
| MP270-P1210-S06 | 280 | 6 | 12 | 0 | 18 | MP270-P0810-S10 | 280 | 10 | 8 | 0 | 18 |
| MP270-S24 | 268 | 24 | 0 | 0 | 24 | MP270-P2410 | 268 | 0 | 24 | 0 | 24 |
| MP270-P1210-S12 | 328 | 12 | 12 | 0 | 24 | MP270-P0610-S18 | 328 | 6 | 18 | 0 | 24 |
| MP270-S36 | 424 | 36 | 0 | 0 | 36 | MP270-S48 | 488 | 48 | 0 | 0 | 48 |

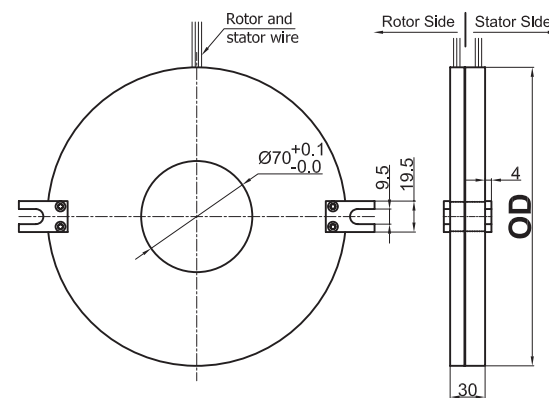
Shared Specifications

| | | | |
|-----------------------|---------------------------|--------------------|-------------------------------|
| Rings | 2-36(see table as above) | Current | Signal(2A), 10A, Multiple 10A |
| Voltage | 250 VDC/VAC | Max speed | 250RPM |
| Through Bore size | 70mm(2.76") | Thickness | 30mm (1.18") |
| Housing Material | Aluminium Alloy | Torque | 0.8N.m |
| Working life | 80million revolutions | Contact material | Precious Metal:Gold-Gold |
| Electrical noise | <20 milliohms | Contact Resistance | <200mOhm(AWG16#,300mm) |
| Dielectric strength | 1000VDC@50Hz | Lead Wire | UL Teflon® |
| Insulation resistance | 1000MΩ@600VDC | Lead Lengths | 250mm |
| Operating Temp. | -40°C to 80°C | Protection | IP51 |
| Mechanical vibration | MIL-SID-810E | Humidity | 10% to 90% RH |
| Materials | Lead Free, RoHS compliant | CE Certified | YES |

Notes:

- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
- 2)Lead Wire size: 2A/signal -> AWG22, 10A -> AWG16, 20A -> Awg14, colored code.
- 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings



MP270

12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12, indicated with number code pipe.

Lead wire Color codes

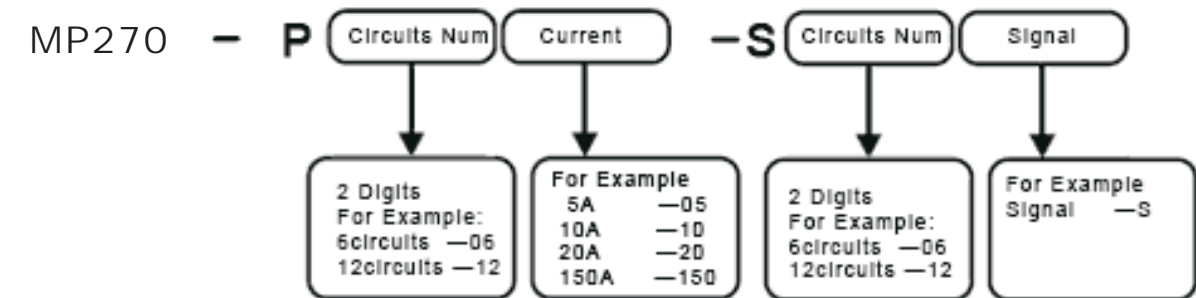
| Rings# | Color Code | Rings# | Color Code | Rings# | Color Code |
|--------|------------|--------|------------|--------|------------|
| 1 | BLK | 5 | YEL | 9 | GRY |
| 2 | BRN | 6 | GRN | 10 | WHT |
| 3 | RED | 7 | BLU | 11 | PINK |
| 4 | ORN | 8 | PURPLE | 12 | AZURY |

Options

- MP279 is the high-end version corresponding to MP270.
- MP271 is the low-cost version corresponding to MP270
- Can combine more wires:1-72Ring
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Shielded cables
- Connectors
- Frequencies up to 500 MHz
- High-speed data transmission for fast Ethernetand EtherCat
- Signal, Coax, and Power combinations
- Thermocouples
- Shock, Vibration, and Temperature Qualified
- Pneumatic/Hydraulic Capability
- High temperature---up to 450 degree
- High Voltage & large Current(1000A)
- Military Grade.

how to build on request?

Please see ordering information instructions as below:



For example:

- if order MP270 with 8wires*15A each + 17wires*signal,the model should be MP270-P0815-S17.
- if order MP270 with 15wires*10A each + 3 wires*50A + 8wires*signal,the model should be MP270-P1510-P0350-S08
- if you have other optional requirements,such as wire exit direction,lead wire length,connectors,high temperature, large current,military grade, Please describe in your email.

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