

MB250 Slip Rings

MB250 slip rings, with through bore size 25.4mm(1"), overall diameter 86mm, are specialized slip rings solutions, it can combine with power, signal, Ethernet, USB, Devicenet, Control Net, Canbus on request! It also could be mounted by shaft or optional flange mounting.



MB120 series Can Transmit high speed data as following:

- ▶ Ethernet (10M / 100M / 1000M BaseT).
- ▶ Device Net
- ▶ Control Net
- ▶ USB 1.0, USB2.0
- ▶ CanBus
- ▶ Video

Specifications

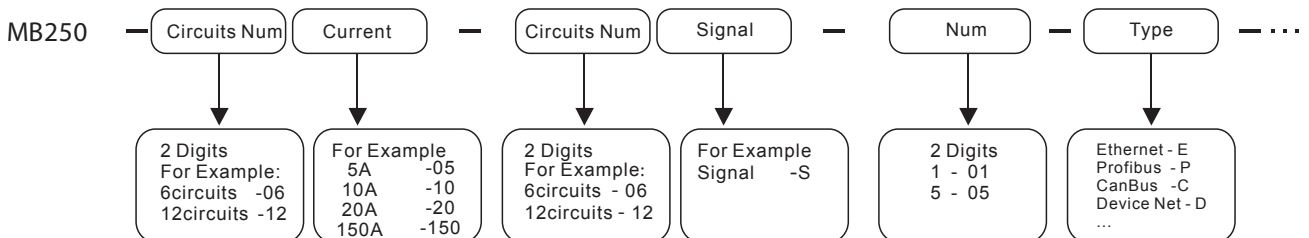
| Shared Specifications | | | |
|-----------------------|---------------------------|------------------|--------------------------|
| Rating voltage | 600 VDC/VAC | Contact material | Precious Metal:Gold-Gold |
| Dielectric strength | 1000VDC@50Hz | Lead Wire | UL Teflon® |
| Insulation resistance | 1000MΩ@600VDC | Lead Lengths | 250mm |
| Operating Temp. | - 40°C to 80°C | Protection | IP51 |
| Mechanical vibratio | 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: 5A/signal -> AWG22, 10A -> AWG16, 20A -> Awg14, colored code.
- 3)Electrical noise is dependent upon the rotating speed and current, voltage.

How to Order?

Please see ordering information instructions as below:



Broadband Type:

- F - 10, 100 BaseT Ethernet - RJ45
- E - 1000 BaseT Ethernet - RJ45
- P - Profibus - 9-Pin D-Sub
- C - CanBus - 9-Pin D-Sub
- D - Device Net - 5 Pin Micro Change
- T - Control Net - 75 Ω BNC
- V - USB 1.0
- U - USB 2.0
- Q - Coax - 75 Ω BNC

For example:

MB250-0815-06S-02U means 8wires*15A each + 6wires*signal + 2 channel USB2.0

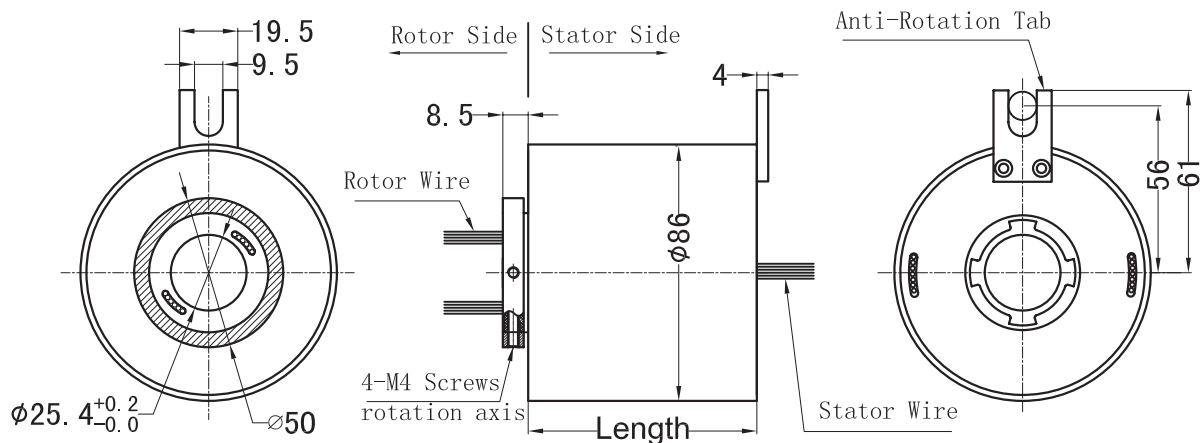
MB250-0410-02U-03E-FL01 means 4wires*10A each + + 2 channel USB2.0 + 3 channel 1000M Ethernet, with flange FL01 style mounting instead of shaft mounted.

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, please send email to us: technical@moflon.com for further technical support.

Drawings

Standard drawings:



MB250

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 |

Optional Flanges mounting:

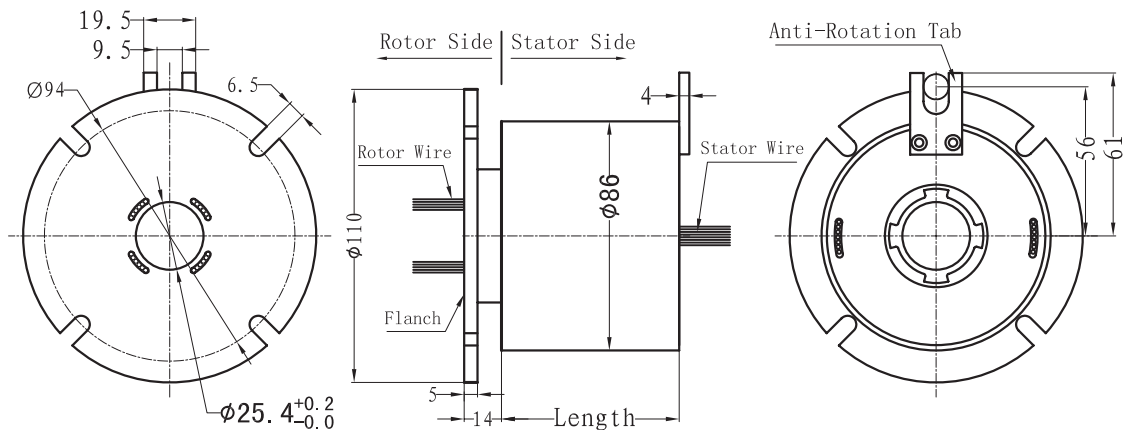
At sometimes, we need a different flange for mounting instead, how should we do?

Great! Moflon supply flange style as below:

(when you order, please add FL01 at the suffix of Part#, for example: MB250-06S-FL01 means MB250-06S with optional flange FL01.)



MB250 - MB SERIES



Suffix -FL01

Options

- Can combine more wires:1-96Ring
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Shielded cables
- Connectors
- Frequencies up to 500 MHz
- High-speed data transmission for fast Ethernet and 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.

Application

Typical Application

- Industrial machinery
- Filling equipment
- Exhibit / display equipment
- Medical equipment
- machining centerse
- rotary index tables
- Mechanical arm
- Surgery lamp
- heavy equipment turrets or cable reels
- Revolving door
- Packaging machine
- Coiling machine
- test equipment
- packaging machines