

ME2502 (1000M baseT Ethernet)

ME2502, support 1 channel 1000M baseT ethernet slip rings, with through bore size 50mm(1.97"), overall diameter 120mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

PART# Explanation:

ME2502 - P0610 - S06

S06: signal/2A each @ 6 circuits
P0610: 10A each @ 6 circuits



Specifications

| PART # | OD * L | SIGNAL/5A | 10A | 20A | 1000M B ASET |
|------------------|-------------|-----------|-----|-----|--------------|
| ME2502-S02 | 120mm*100mm | 2 | 0 | 0 | 2 |
| ME2502-P0210 | 120mm*100mm | 0 | 2 | 0 | 2 |
| ME2502-S08 | 120mm*124mm | 8 | 0 | 0 | 2 |
| ME2502-P0810 | 120mm*124mm | 0 | 8 | 0 | 2 |
| ME2502-P0410-S04 | 120mm*124mm | 4 | 4 | 0 | 2 |
| ME2502-S14 | 120mm*148mm | 14 | 0 | 0 | 2 |
| ME2502-P0610-S08 | 120mm*148mm | 8 | 6 | 0 | 2 |
| ME2502-P1410 | 120mm*148mm | 0 | 14 | 0 | 2 |
| ME2502-S20 | 120mm*172mm | 20 | 0 | 0 | 2 |
| ME2502-P1010-S10 | 120mm*172mm | 10 | 10 | 0 | 2 |
| ME2502-P0410-S16 | 120mm*172mm | 16 | 6 | 0 | 2 |
| ME2502-P2010 | 120mm*172mm | 0 | 20 | 0 | 2 |

Ethernet Specifications

| | | | |
|----------|-------------|---------------------|------|
| Ethernet | 1000M baseT | Ethernet connectors | Rj45 |
| BER | 10E-11 | Insert loss | 2db |

Power/signal Specifications

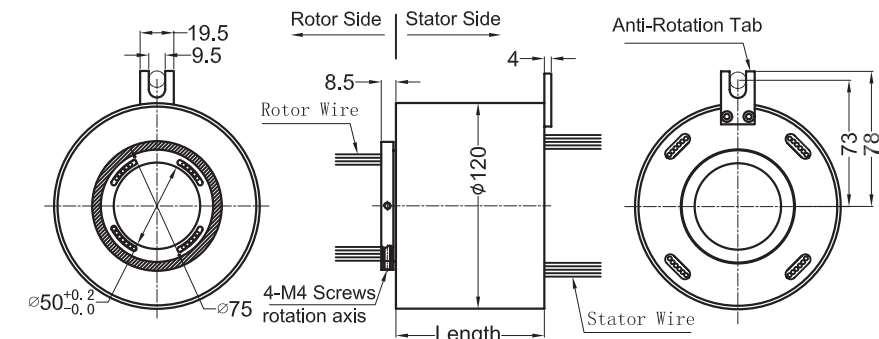
| | | | |
|-----------------------|--------------------------|------------------|--------------------------|
| Rating voltage | 300 VDC/VAC | Contact material | Precious Metal:Gold-Gold |
| Dielectric strength | 1000VDC@50Hz | Lead Wire | CAT6,AWG#22,#16 |
| Insulation resistance | 1000MΩ@600VDC | Lead Lengths | 250mm |
| Operating Temp. | - 40°C to 80°C | Protection | Ip51 |
| Max Speed | 1000RPM | 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.

Drawings

Standard drawings:



ME2502

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

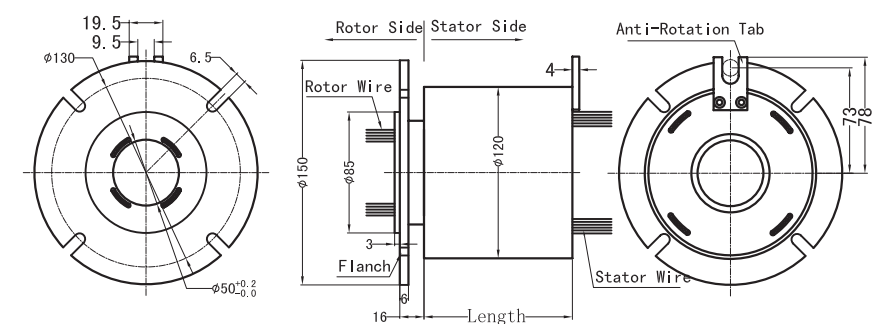
| Rings# | Color Code | Rings# | Color Code | Rings# | Color Code |
|--------|------------|--------|------------|--------|------------|
| 1 | BLK | 5 | YEL | 9 | GRY |
| 2 | BRN | 6 | GRN | 10 | WHT |
| 3 | RED | 7 | BLU | 11 | PINK |
| 4 | ORN | 8 | PURPLE | 12 | AZURY |

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, pls add FL01 at the suffix of Part#, for example: ME2502-06S-FL01 means ME2502-06S with optional flange FL01.)



Suffix -FL01

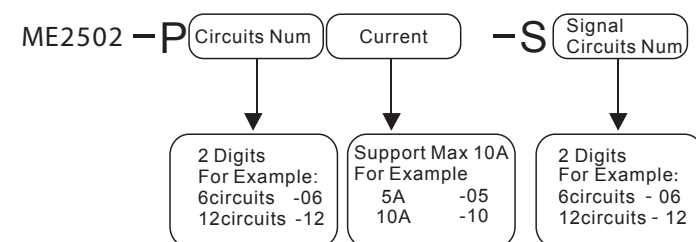
Options

- 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.

Build On Request

how to build on request?

Please see ordering information instructions as below :



For example:

- if order ME2502 with 6wires*signal,the model should be ME2502-S06.
- if order ME2502 with 12wires*signal + 3wires*10A,the model should be ME2502-P0310-S12
- if you have other optional requirements,such as lead wire length,connectors,military grade, Please descrip in your email.

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