

# MUSB1222 (2 Channels USB Slip Rings)

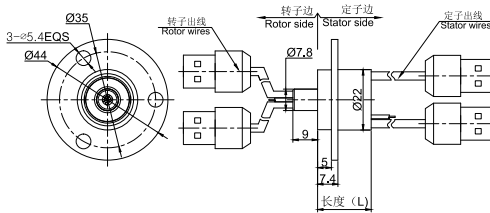
## 2 channels USB + 1~28 wires power/signal

MUSB1222 USB series slip ring, solid flange design, OD 22mm, supporting 2 channels USB1.0/2.0, can transmit power and signal.

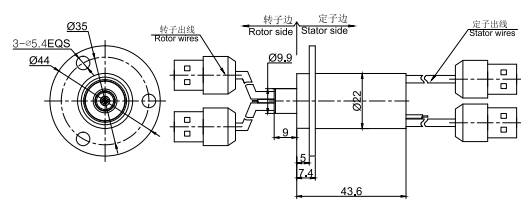
It can transmit signal stably and has low insertion loss. Using military depositing technique, precious metal and super hard gold-plated processing, it has minimum BER error rate and high signal-to-noise ratio(SNR)



MUSB1222

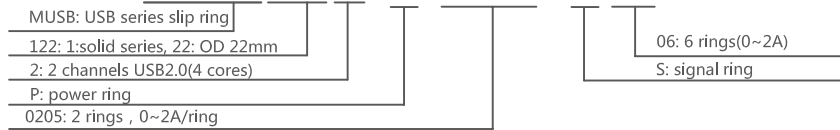


MUSB1222-S14



### Part# Explanation

## MUSB1222 - P 02 02- S 06



### Parts# List

| MUSB1222 2 channels USB series part#list |             |    |              |            |
|--|-------------|----|--------------|------------|
| Part#                                    | USB channel | 5A | Signal or 2A | Length(mm) |
| MUSB1222-S02                             | 2           | 0  | 4            | 26         |
| MUSB1222-S08                             | 2           | 0  | 8            | 33         |
| MUSB1222-S14                             | 2           | 0  | 14           | 43.6       |

Note:1) N channels 5A rings parallel can be used as 1 channel N\*5A current. For example: 2 rings 5A parallel could be used as 1 wires 10A 2) 10A. 20A. 5A can be combined according to your requirements, please contact customer service for more details.

### Specifications

| USB Specifications    |                             |               | Mechanical Data     |                         |
|-----------------------|-----------------------------|---------------|---------------------|-------------------------|
| Parameter             | Value                       |               | Parameter           | Value                   |
| USB                   | USB1.0,USB2.0               |               | Working Life        | 10 million              |
| Connector             | USB TYPE-A female connector |               | Rotating Speed      | 250RPM                  |
| BER                   | 10E-11                      |               | Working Temperature | -30°C~80°C              |
| Electrical Data       |                             |               | Operating Humidity  | 0~85% RH                |
| Parameter             | Value                       |               | Contact Material    | Gold-Gold               |
|                       | Power                       | Signal        | Housing Material    | Aluminium Alloy         |
| Rated Voltage         | 0~220VAC/VDC                | 0~220VAC/VDC  | Torque              | 0.1N.m; +0.03N.m/6rings |
| Insulation Resistance | ≥100MΩ/220VDC               | ≥100MΩ/220VDC | Protection Grade    | IP51                    |
| Lead Wires            | AWG28#Teflon                |               |                     |                         |
| Lead Length           | Standard 300mm (adjustable) |               |                     |                         |
| Dielectric Strength   | 500VAC@50Hz, 60s            |               |                     |                         |
| Electrical Noise      | <0.01Ω                      |               |                     |                         |

### Lead Wires Color Code

|      |       |       |       |       |       |       |       |           |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|
| Ring | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8         | 9     | 10    | 11    | 12    |
| Code | RD    | GN    | YL    | PL    | GY    | BK    | BU    | DARK BLUE | BN    | OG    | WT    | KHAKI |
| Ring | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20        | 21    | 22    | 23    | 24    |
| Code | WT/RD | WT/BK | WT/BU | WT/PL | WT/BN | WT/GN | WT/OG | WT/YL     | WT/GY | BK/RD | BK/BU | YL/GN |

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