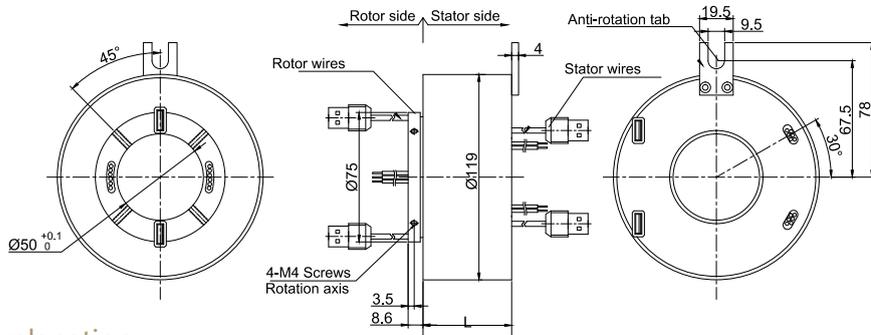


# MUSB2502 (2 Channels USB Slip Rings)

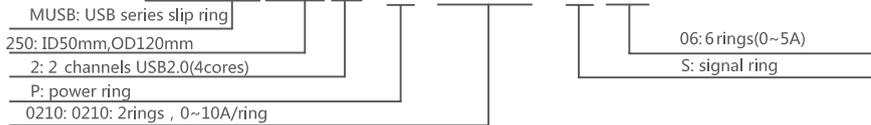
## 2 channels USB2.0+ 1~32 wires power/signal

MUSB2502 USB series slip ring with bore size 50mm, outer diameter 119mm, support 2 channels USB1.0/USB2.0. It can transmit signal stably, without code loss and 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)



### Part# Explanation

## MUSB2502 - P 02 10- S 06



### Parts# List

MUSB2502 2 channels USB series part#list					
Part#	USB channel	10A	20A	Signal or 5A	Length(mm)
MUSB2502-S02	2	0	0	2	74
MUSB2502-P0210	2	2	0	0	74
MUSB2502-P0220	2	0	2	0	96.8
MUSB2502-S08	2	0	0	8	96.8
MUSB2502-P0210-S06	2	2	0	6	96.8
MUSB2502-P0610-S02	2	6	0	2	96.8
MUSB2502-S14	2	0	0	14	119.6
MUSB2502-P1410	2	14	0	0	119.6
MUSB2502-P0610-S08	2	6	0	8	119.6
MUSB2502-P1010-S04	2	10	0	4	119.6
MUSB2502-S20	2	0	0	20	142.4
MUSB2502-S26	2	0	0	26	169.2
MUSB2502-S32	2	0	0	32	192

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) 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	20 million
Connector	USB TYPE-A female connector	Rotating Speed	600RPM
BER	10E-11	Working Temperature	-30°C~80°C
Electrical Data		Operating Humidity	0~85% RH
Parameter	Value	Contact Material	Gold-Gold
		Housing Material	Aluminium Alloy
Rated Voltage	0~440VAC/VDC	Torque	0.1N.m; +0.03N.m/6rings
Insulation Resistance	≥1000MΩ/500VDC	Protection Grade	IP51
Lead Wires	AWG16#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	BLK	RED	YLW	GRN	BLU	WHT	RED	RED	YLW	GRN	BLU	WHT

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

### Options For Custom Slip Ring

Note: Below special demands can be customized. According, the delivery date will be extended 3 to 15 days; also the cost will be increased 30% to 50%. Most of our basic parts are standard and modular, which can save the cost and lead time.

- ① Bore diameter can be customized; cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube are optional.
- ⑤ Hybrid slip ring for Yaskawa/Panasonic/Siemens servo control signal, power line and encoder line.
- ⑥ Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
- ⑦ Can combine temperature control signal with thermocouple signal.
- ⑧ Special environment can be customized, such as quakeproof, high temperature, etc.
- ⑨ Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- ⑩ High temperature can up to 500 degrees.
- ⑪ High pressure can up to 110KV
- ⑫ Rotating speed can up to 10000RPM
- ⑬ Maximum current can up to 5000 amperes.
- ⑭ Military grade
- ⑮ Optional for underwater IP65, IP68.
- ⑯ Optional for stainless steel housing

Technical support: [technical@moflon.com](mailto:technical@moflon.com)