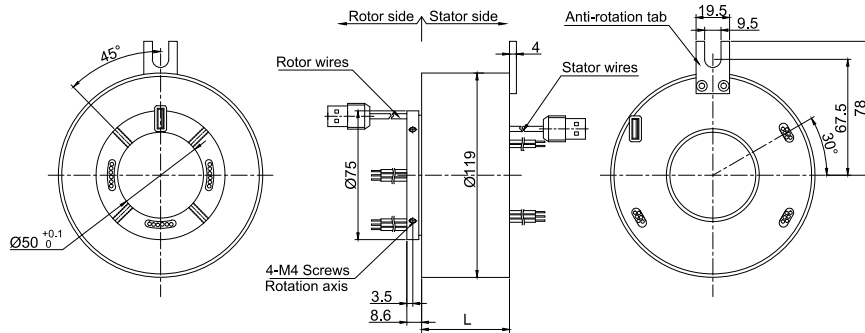


MUSB2501 (1 Channel USB Slip Rings)

1 channel USB2.0+ 1~32 wires power/signal

MUSB2501 USB series slip ring with bore size 50mm, outer diameter 119mm, support 1 channel 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

MUSB2501 - P 02 10- S 06



Parts# List

MUSB2501 1 channel USB series part#list					
Part#	USB channel	10A	20A	Signal or 5A	Length(mm)
MUSB2501-S02	1	0	0	2	51.2
MUSB2501-P0210	1	2	0	0	51.2
MUSB2501-P0420	1	0	4	0	74
MUSB2501-S08	1	0	0	8	74
MUSB2501-P0210-S06	1	2	0	6	74
MUSB2501-P0610-S02	1	6	0	2	74
MUSB2501-S14	1	0	0	14	96.8
MUSB2501-P1410	1	14	0	0	96.8
MUSB2501-P0410-S10	1	4	0	10	96.8
MUSB2501-P0810-S06	1	8	0	6	96.8
MUSB2501-S20	1	0	0	20	119.6
MUSB2501-S26	1	0	0	26	142.4
MUSB2501-S32	1	0	0	32	165.2

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