

MUSB2122(USB slip rings)

2 channel USB2.0 + 1~16 circuits Power/signal

MUSB2122, support 2 channel USB2.0 slip rings, with through bore size 12.7mm (0.5"), overall diameter 56mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

PART# Explanation:

MUSB2122 - P0610 - S06

S06: signal/5A each @ 6 circuits

P0610: 10A each @ 6 circuits

Specifications

PART #	OD*L	SIGNAL/2A	10A	20A	USB
MUSB2122-04S	56mm*54mm	4	0	0	2
MUSB2122-0410	56mm*54mm	0	4	0	2
MUSB2122-0420	56mm*62mm	0	0	0	2
MUSB2122-10S	56mm*70.5mm	10	0	0	2
MUSB2122-0210-08S	56mm*70.5mm	8	2	0	2
MUSB2122-0610-04S	56mm*70.5mm	4	6	0	2
MUSB2122-16S	56mm*87.5mm	16	0	0	2
MUSB2122-1610	56mm*87.5mm	0	0	0	2
MUSB2122-0410-12S	56mm*87.5mm	12	4	0	2



Notes: 10A rings parallel can be used as multiple 10A large current.
For Example: 3 rings parallel = 1 wires 30A, please see order instructions

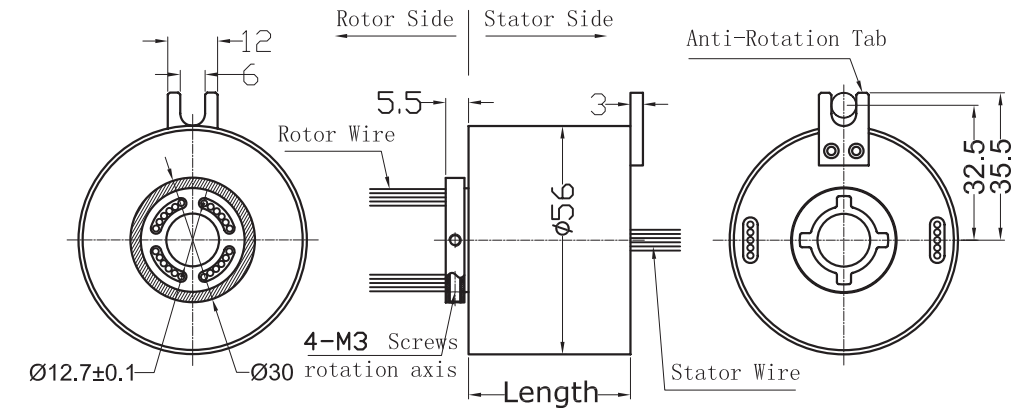
1) The operational life of the unit is dependent upon rotational speed, environment and temperature.

2) Lead Wire size: 2A/signal -> AWG22, 10A -> AWG16, 20A -> Awg14, colored code.

3) Electrical noise is dependent upon the rotating speed and current, voltage.

Drawings

Standard drawings:



MUSB2122

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

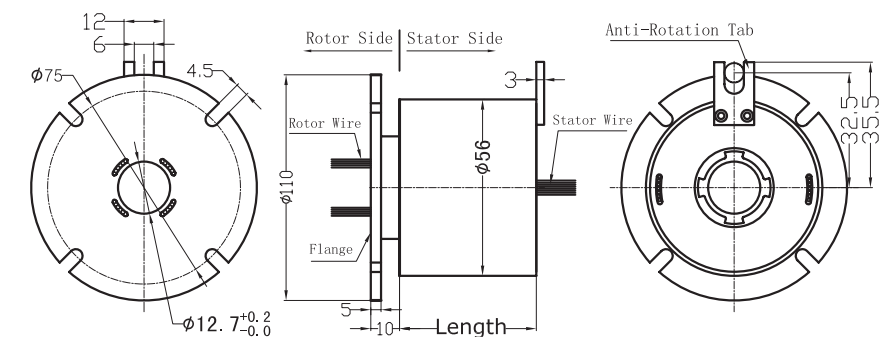
Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	5	YEL	9	GRY
2	BRN	6	GRN	10	WHT
3	RED	7	BLU	11	PINK
4	ORN	8	PURPLE	12	AZURY

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: MUSB2122-06S-FL01 means MUSB2122-06S with optional flange FL01.)



Suffix - FL01

USB Specifications

USB	USB1.0, USB2.0	connectors	rotor: male, stator: male
BER	10E-11	Insert loss	2db

Power/signal Specifications

Circuits	1-16 (see table as above)	Current	Signal(2A), 10A, Multiple 10A
Voltage	250 VDC/VAC	Max speed	600RPM
Through bore size	12.7mm(1/2")	Overall diameter	56mm(2.2")
Housing Material	Aluminium Alloy	Contact material	0.8N.m
Working life	150million revolutions	Torque	Precious Metal: Gold-Gold
Electrical noise	<10 milliohms	Contact Resistance	<100mOhm(AWG16#, 300mm)
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 vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free, RoHS compliant	CE Certified	YES

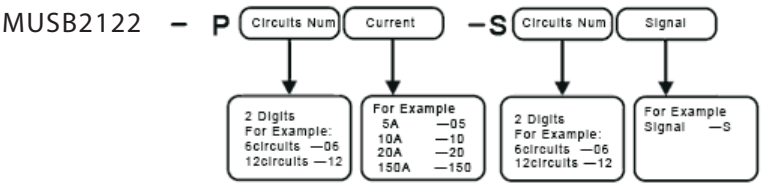
Options

- › 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 MUSB2122 with 6wires*signal,the model should be MUSB2122-S06.
- › if order MUSB2122 with 12wires*signal + 3wires*10A,the model should be MUSB2122-P0310-S12
- › if you have other optional requirements,such as lead wire length,connectors,military grade, Please descrip in your email.