

BXME2121 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~33 power and signal channel

BXME2121, support 2 channels 100m/1000M ethernet slip rings, with through bore size 12.7mm(0.5"), overall dia BXMEter 56mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

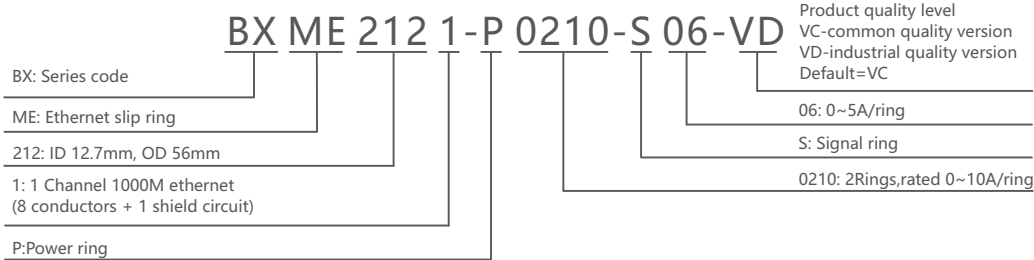
Product images



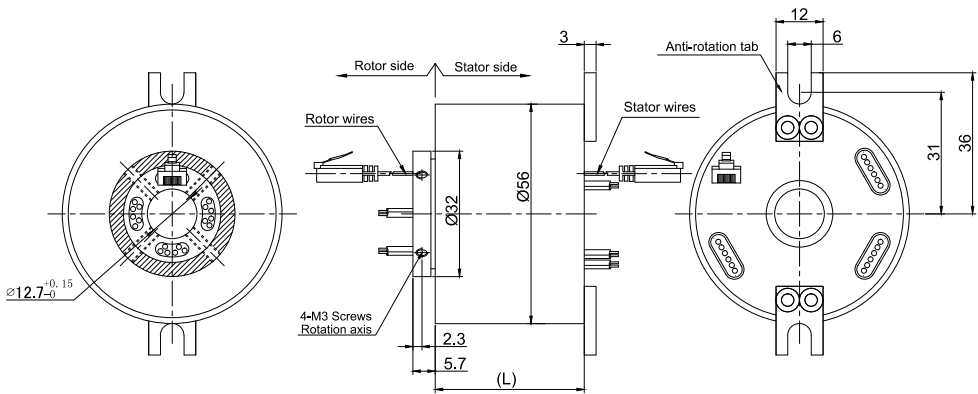
The pictures are for reference only

If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation



Dimensions



BXME2121 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2121-S03	1	0	0	3	54.8
BXME2121-P0310	1	3	0	0	54.8
BXME2121-P0420	1	0	4	0	71.5
BXME2121-S09	1	0	0	9	71.5
BXME2121-P0210-S07	1	2	0	7	71.5
BXME2121-P0410-S05	1	4	0	5	71.5
BXME2121-P0610-S03	1	6	0	4	71.5
BXME2121-P0910	1	9	0	0	71.5
BXME2121-S15	1	0	0	15	88.4
BXME2121-P0210-S13	1	2	0	13	88.4
BXME2121-P0410-S11	1	4	0	11	88.4
BXME2121-P0610-S09	1	6	0	09	88.4
BXME2121-P0810-S07	1	8	0	7	88.4
BXME2121-P1010-S05	1	10	0	5	88.4

BXME2121 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2121-P1210-S03	1	12	0	3	88.4
BXME2121-S21 (2A)	1	0	0	21(2A)	105.2
BXME2121-S27 (2A)	1	0	0	27(2A)	125
BXME2121-S33 (2A)	1	0	0	33(2A)	141.8

Note:

1. Please contact customer service for drawing(marked by asterisks **).
2. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.
3. 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

Ethernet Specification

Project	Value
1000M Ethernet	1 channel 1000M Ethernet
Connector	RJ45(Male Connector)
Ber Error Rate	10E-11

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	$\geq 1000M\Omega/500VDC$	$\geq 1000M\Omega/300VDC$
Lead Wires	AWG17#Teflon/PVC/Silicon	AWG22#Teflon/AWG26#Teflon(2A)
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01 Ω	

Mechanical Data

Project	Numerical value
Working Life	See Product Quality Level Table
Rotating Speed	See Product Quality Level Table
Working temperature	-30°C~80°C/-45°C~85°C (Military-grade Optional)
Operating Humidity	0~85% RH/0~97% RH (Military-grade Optional)
Contact Material	See Product Quality Level Table
Housing Material	Aluminum Alloy
Torque	0.1N.m, +0.03N.m/6 rings
Protection Grade	IP51

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	300RPM	20 Million Revs	Precious BXMEtal
VD	600RPM	80 Million Revs	Gold-plated

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED	YLW	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the saBXME 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 to15 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 tiBXME.

1. 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/SieBXMEs 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 environBXMEnt 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 : Info@orbinexus.com