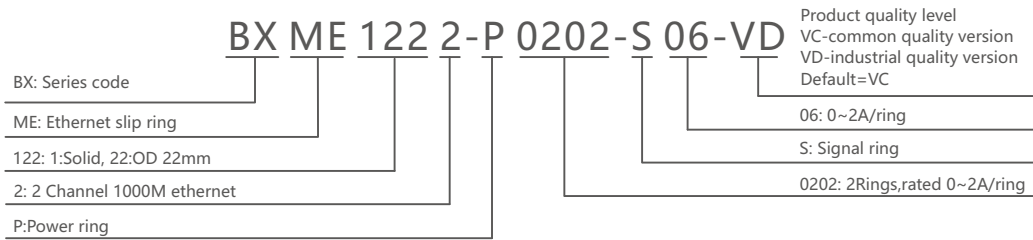
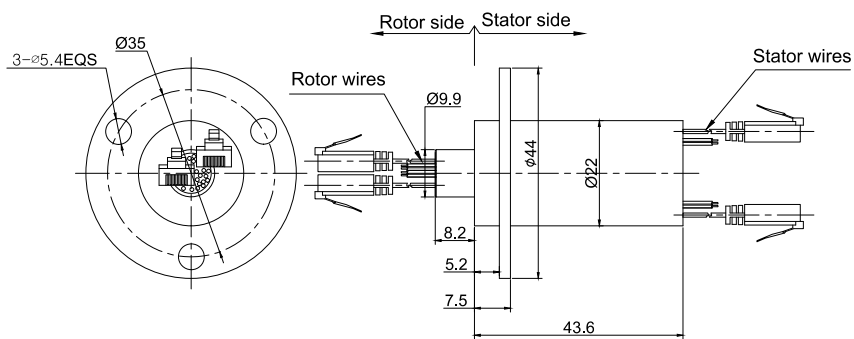




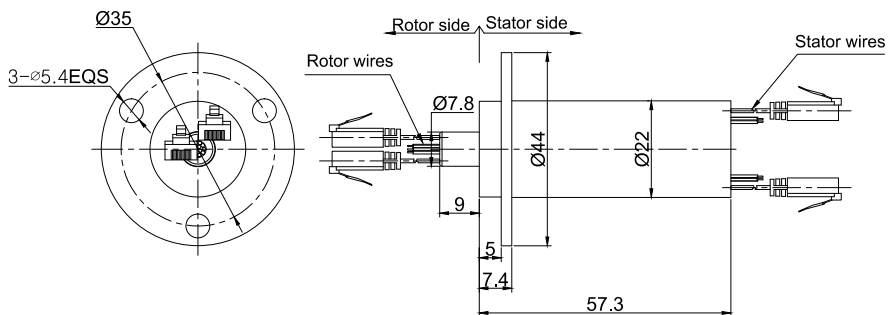
## Part# Explanation



## Dimensions



BXME1222-S08 Outline dimension drawing



BXME1222-S20 Outline dimension drawing

## BXME1222 Series Ethernet Slip Ring

Parts#	1000M Ethernet	4A	Signal or 2A	Length(mm)
BXME1222-S08	2	0	8	43.6
BXME1222-P0304-S02	2	3	2	43.6
BXME1222-S20	2	0	20	57.3

Note: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

## 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
Operating Humidity	0~85% RH
Contact Material	See Product Quality Level Table
Housing Materia	Aluminium Alloy
Torque	0.1N.m; +0.03N.m/6 rings
Protection Grade	IP51

## Electrical Data

Project	Power	Signal
Rated Voltage	0~220VAC/VDC	0~120VAC/VDC
Insulation Resistance	≥100MΩ/220VDC	≥100MΩ/150VDC
Lead Wires	AWG28#Teflon	AAWG28# Teflon
Lead Length	Standard 300mm(adjustable)	
Insulating Strength	100VAC@50Hz,60s	
Electrical Noise	<0.01Ω	

## Ethernet Specification

Project	Value
1000M Ethernet	2 channel 1000M Ethernet
Connector	RJ45
Ber Error Rate	10E-11

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	10 Million Revs	Precious Metal
VD	600RPM	20 Million Revs	Gold-plated

## Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8
Color	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED
Ring	9	10	11	12	13	14	15	16
Color	YLW	GRN	BLU	WHT	BLU,BLK	BLU,WHT	BLU,BLK	BLU,GRN
Ring	17	18	19	20	21	22	23	24
Color	BLU,YLW	BLU,RED	BLU,GRN	BRU,YLW	BRU,BLU	WHT,BLK	WHT,BLK	YLW,RED

(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 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 time.

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/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 : [Info@orbinexus.com](mailto:Info@orbinexus.com)