

BXME SERIES

1000M Ethernet Slip Rings

BXME series(Ethernet/Gigabit slip ring) have been developed to provide reliable products to allow transfer of the 1000M/Gbit/Gigabit Ethernet protocol through a rotating interface. The innovative designs BXMEet the challenge of matching impedance, controlling crosstalk and managing losses, and it works well at Gbit/1000M speed on CAT5/CAT6, Wide range of product solutions are offered with combinations of data and power in multiple BXMEchical configurations to BXMEet your application needs.

Features

- Support GBit,10M/100M/1000M transmitting.
- Configured for Ethernet transmission
- RJ45 connector for direct plug-and-play
- High performance contact technology
- Available with multiple Ethernet, power and signal combinations



BXME Series Models

Model#	ID(mm)	OD(mm)	100/1000M Ethernet	Mixed Power/Signal Circuits
BXME1221	0	22	1	1~28
BXME1222	0	22	2	1~20
BXME2131	12.7	35	1	1~16
BXME2132	12.7	35	2	1~12
BXME2121	12.7	56	1	1~34
BXME2122	12.7	56	2	1~32
BXME2201	20	69	1	1~34
BXME2202	20	69	2	1~32
BXME2251	25.4	86	1	1~46
BXME2252	25.4	86	2	1~38
BXME2381	38.1	99	1	1~46
BXME2382	38.1	99	2	1~38
BXME2501	50	119	1	1~46
BXME2502	50	119	2	1~38

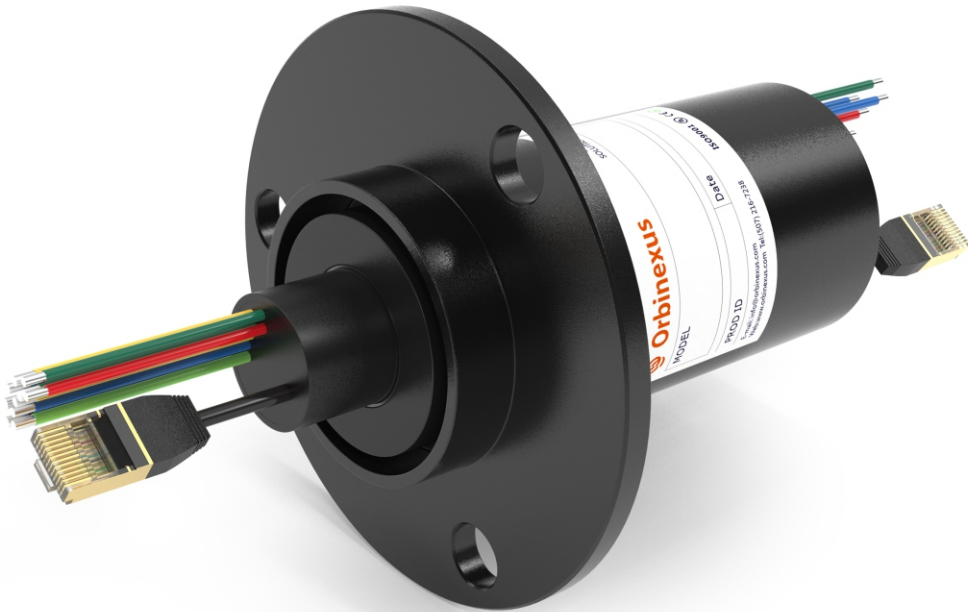
60% of Orbinexus' s sales are customized solutions, please contact custoBXMEr service for special requireBXMEnts.

BXME1221 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~28 power and signal channel

BXME1221, support 1 channel 1000M ethernet slip rings, with compact OD 22mm, flange mounting, are standard, off-the-shelf, color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

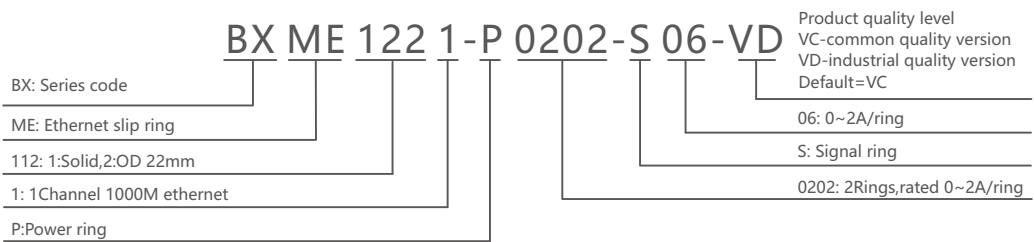
Product images



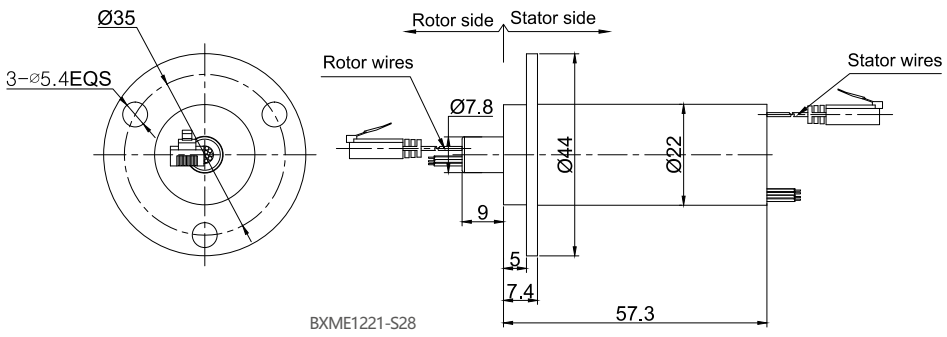
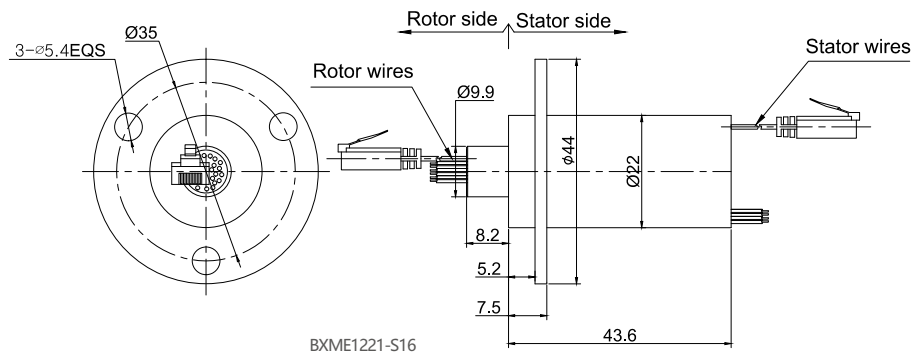
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME1221 Series Ethernet Slip Ring

Parts#	1000M Ethernet	4A	Signal or 2A	Length(mm)
BXME1221-S16	1	0	16	43.6
BXME1221-P0304-S10	1	3	10	43.6
BXME1221-P0604-S04	1	6	4	43.6
BXME1221-S28	1	0	28	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	1 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

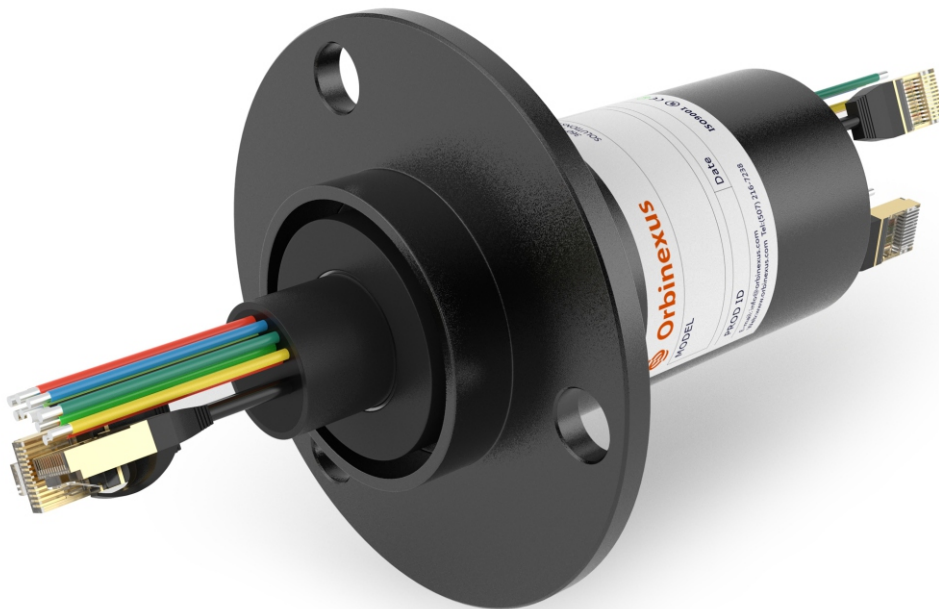
(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

BXME1222 SERIES 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~20 power and signal channel

ME1222, support 2 channels 1000M ethernet slip rings, with compact OD 22mm, flange mounting, are standard, off-the-shelf, color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

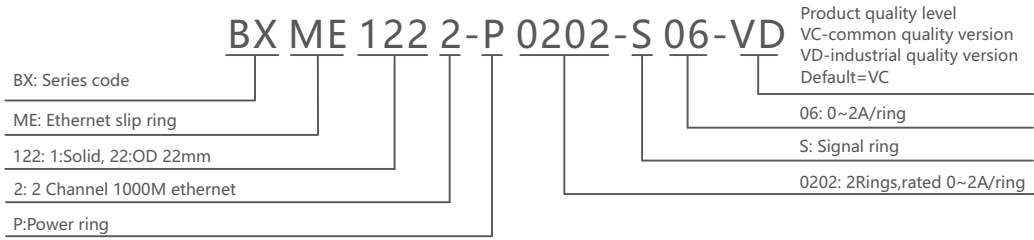
Product images



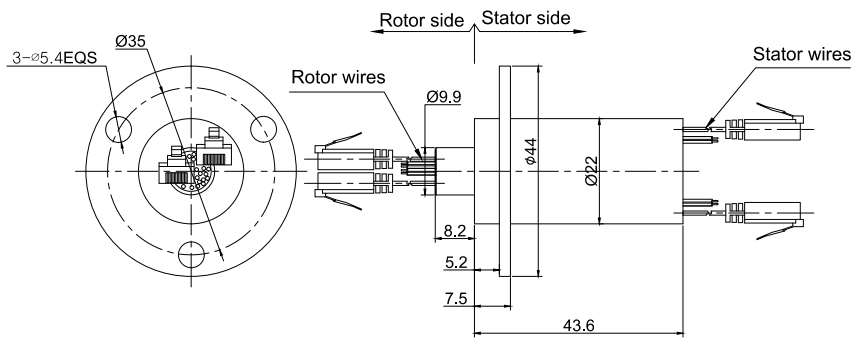
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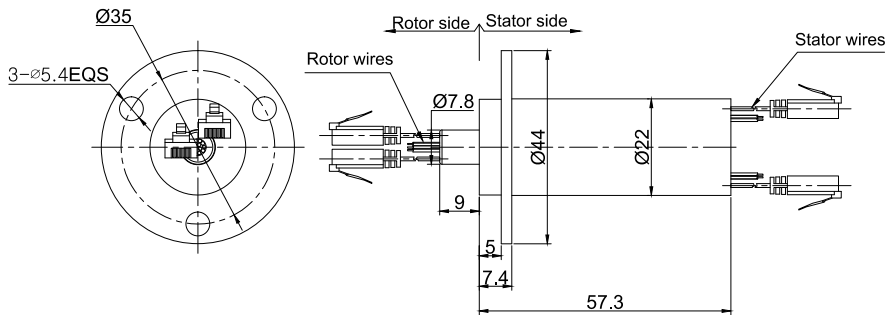
Part# Explanation



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

BXME2121 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~34 power and signal channel

BXME2121, support 2 channels 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.

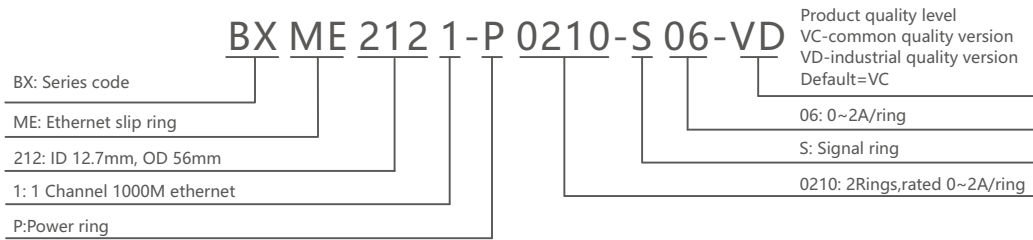
Product images



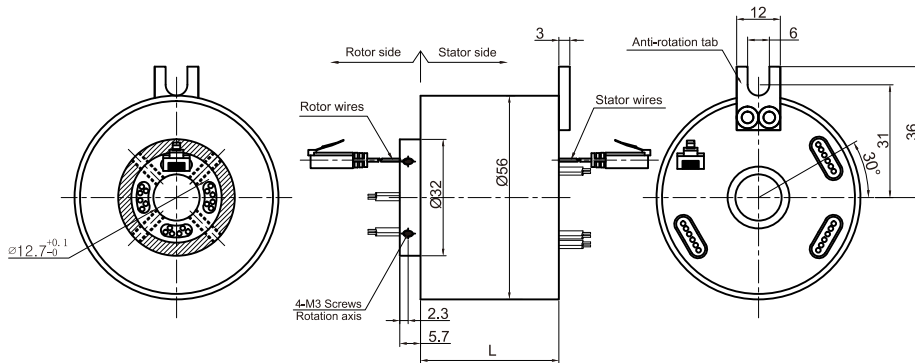
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If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation



Dimensions



BXME2121 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2121-S04	1	0	0	4	54.8
BXME2121-P0410	1	4	0	0	54.8
BXME2121-P0420	1	0	4	0	71.5
BXME2121-S10	1	0	0	10	71.5
BXME2121-P0210-S08	1	2	0	8	71.5
BXME2121-P0410-S06	1	4	0	6	71.5
BXME2121-P0610-S04	1	6	0	4	71.5
BXME2121-P1010	1	10	0	0	71.5
BXME2121-S16	1	0	0	16	88.4
BXME2121-P0210-S14	1	2	0	14	88.4
BXME2121-P0410-S12	1	4	0	12	88.4
BXME2121-P0610-S10	1	6	0	10	88.4
BXME2121-P0810-S08	1	8	0	8	88.4
BXME2121-P1010-S06	1	10	0	6	88.4

BXME2121 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2121-P1210-S04	1	12	0	4	88.4
BXME2121-S22 (2A)	1	0	0	22	105.2
BXME2121-S28 (2A)	1	0	0	28	125
BXME2121-S34 (2A)	1	0	0	34	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
Ber Error Rate	10E-11

Electrical Data

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

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 Material	Aluminium 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

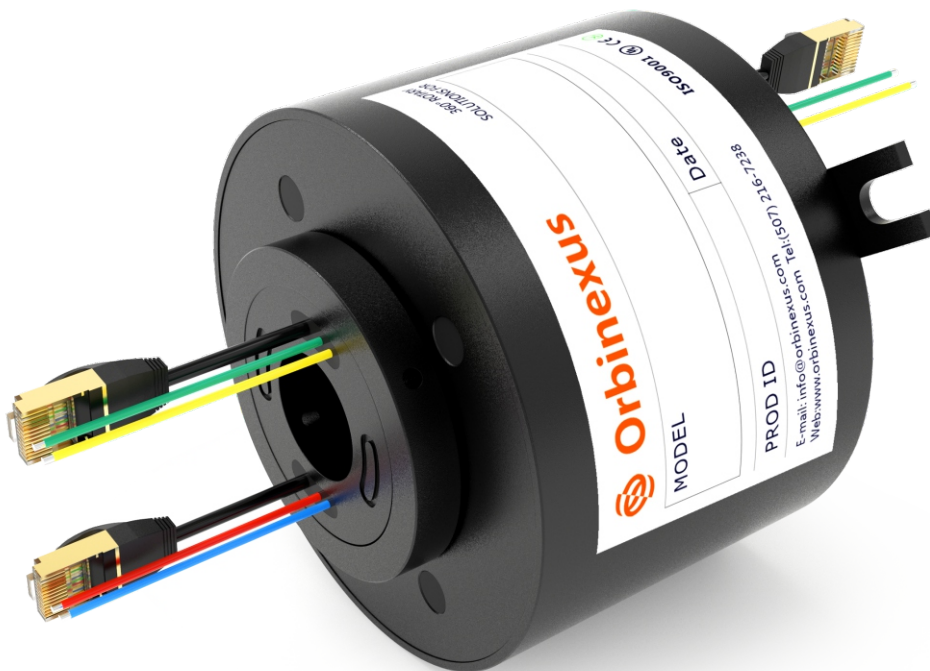
Technical support : Info@orbinexus.com

BXME2122 SERIES 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~32 power and signal channel

BXME2122, support 2 channels 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.

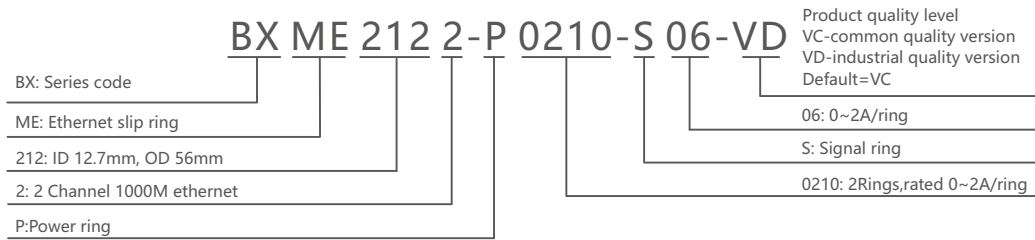
Product images



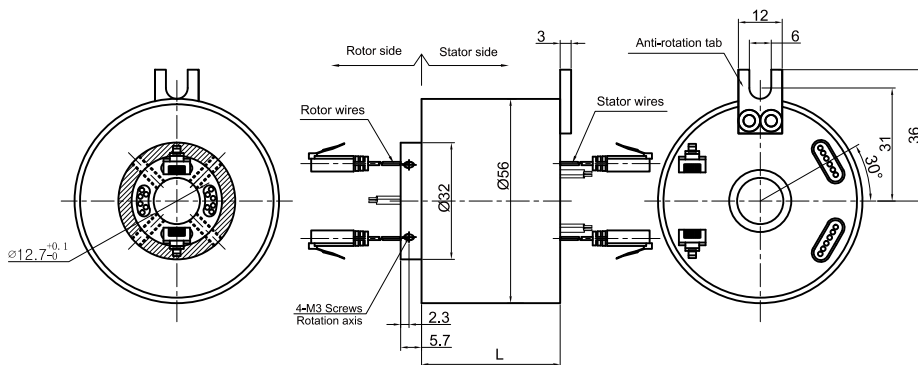
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Part# Explanation



Dimensions



BXME2122 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2122-S02	2	0	0	2	71.5
BXME2122-P0210	2	2	0	0	71.5
BXME2122-P0420	2	0	4	0	88.4
BXME2122-S08	2	0	0	8	88.4
BXME2122-P0810	2	8	0	0	88.4
BXME2122-P0210-S06	2	2	0	6	88.4
BXME2122-P0410-S04	2	4	0	4	88.4
BXME2122-S14	2	0	0	14	105.2
BXME2122-P0410-S10	2	4	0	10	105.2
BXME2122-P0610-S08	2	6	0	8	105.2
BXME2122-P1010-S04	2	10	0	4	105.2
BXME2122-S20(2A)	2	0	0	20(2A)	125
BXME2122-S26(2A)	2	0	0	26(2A)	141.8
BXME2122-S32(2A)	2	0	0	32(2A)	158.6

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG17#Teflon/PVC/Silicon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	300RPM	20 Million Revs	Precious Metal
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 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

BXME2131 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~16 power and signal channel

BXME2131, support 1 channel 1000M ethernet slip rings, with through bore size 12.7mm(0.5"), overall dia BXMEter 33mm, are standard, off-the-shelf, color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

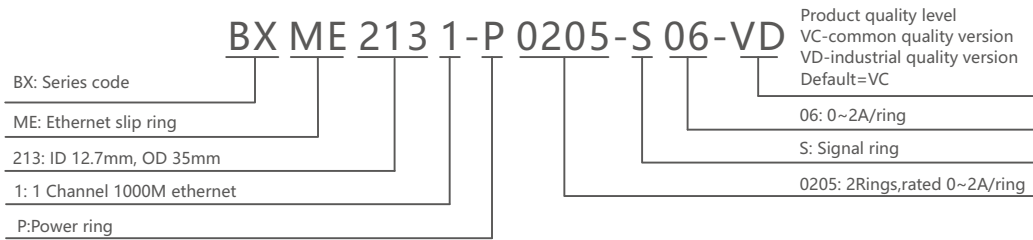
Product images



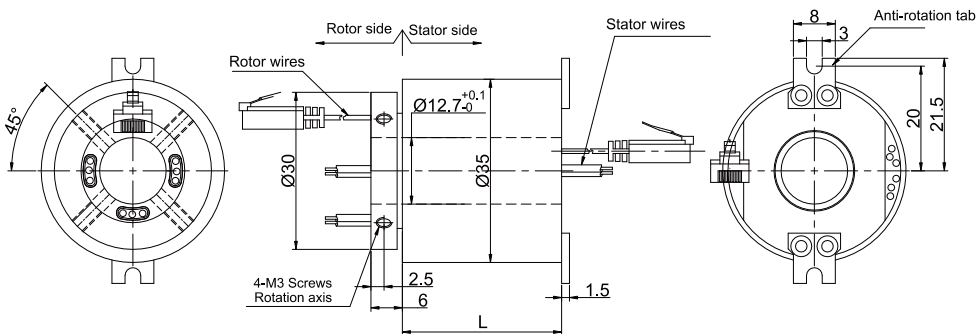
The pictures are for reference only

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Part# Explanation



Dimensions



BXME2131 Series Ethernet Slip Ring

Parts#	1000M Ethernet	Signal or 5A	Length(mm)
BXME2131-S04	1	4	44.2
BXME2131-S10	1	10	58

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.
- Circuit number and current strength can be customized, please contact customer service for more details.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥500MΩ/300VDC	≥2000MΩ/300VDC
Lead Wires	AWG17#Teflon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	200VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	20 Million Revs	Precious Metal
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 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.

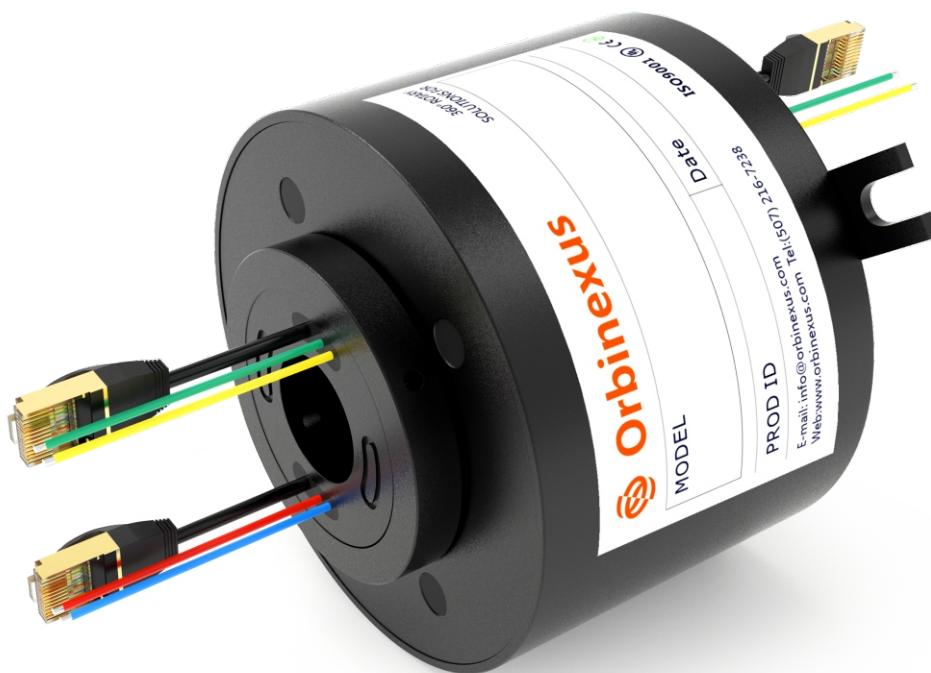
6. Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
 7. Can combine temperature control signal with thermocouple signal.
 8. Special environment can be customized, such as quakeproof, high temperature, 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

BXME2132 SERIES 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~16 power and signal channel

BXME2132, support 2 channels 1000M ethernet slip rings, with through bore size 12.7mm(0.5"), overall dia BXMEter 35mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

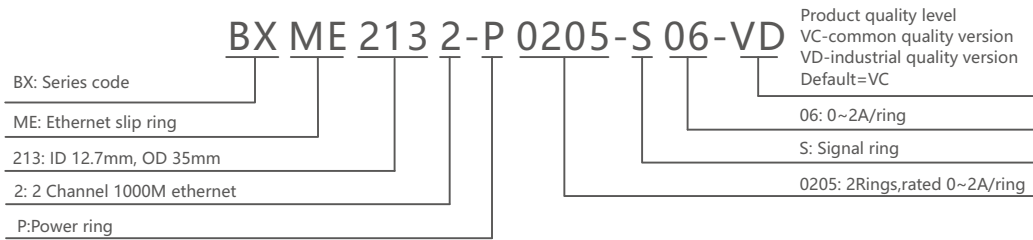
Product images



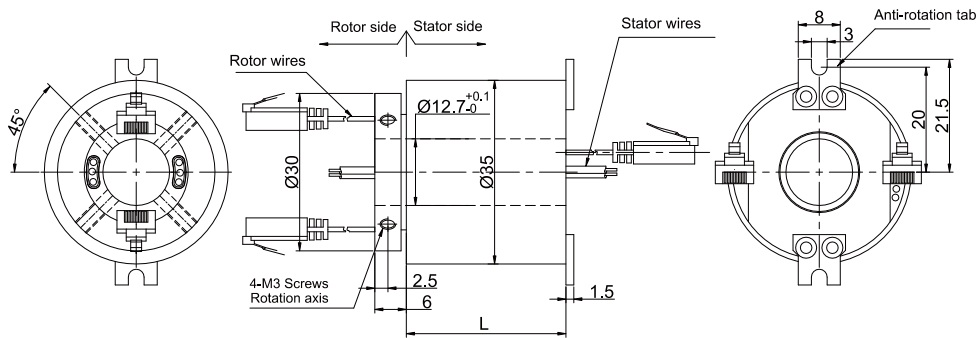
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2132 Series Ethernet Slip Ring

Parts#	1000M Ethernet	Signal or 5A	Length(mm)
BXME2132-S02	2	2	58
BXME2132-S08	2	8	71.8

Note:

1. 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.
2. Circuit number and current strength can be customized, please contact customer service for more details.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥500MΩ/300VDC	≥2000MΩ/300VDC
Lead Wires	AWG22#Teflon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	200VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	20 Million Revs	Precious Metal
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 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

BXME2201 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~28 power and signal channel

BXME2201, support 1 channel 1000M ethernet slip rings, with through bore size 20mm, overall dia BXMEter 69mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

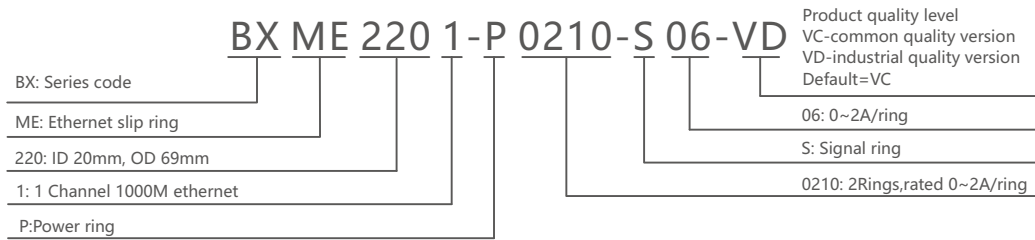
Product images



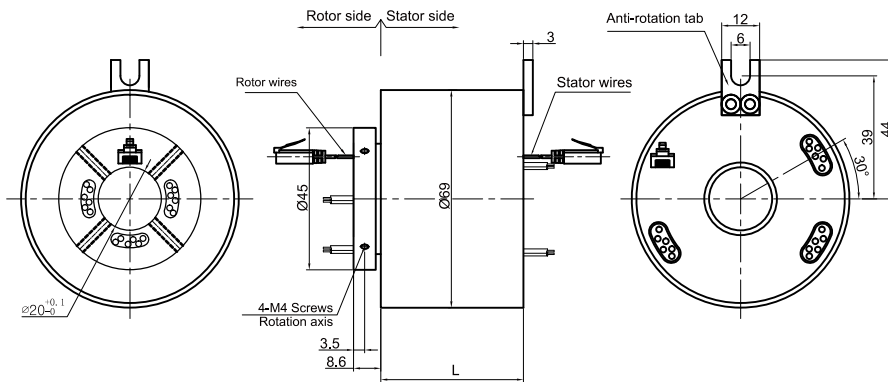
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2201 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2201-S04	1	0	0	4	65.6
BXME2201-P0410	1	4	0	0	65.6
BXME2201-P0420	1	0	4	0	86
BXME2201-S10	1	0	0	10	86
BXME2201-P0210-S08	1	2	0	8	86
BXME2201-P0410-S06	1	4	0	6	86
BXME2201-P0610-S04	1	6	0	4	86
BXME2201-S16	1	0	0	16	106.4
BXME2201-P0210-S14	1	2	0	14	106.4
BXME2201-P0410-S12	1	4	0	12	106.4
BXME2201-P0610-S10	1	6	0	10	106.4
BXME2201-P0810-S08	1	8	0	08	106.4
BXME2201-P1010-S06	1	10	0	06	106.4
BXME2201-P1210-S04	1	12	0	4	106.4

BXME2201 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2201-S22	1	0	0	22	126.8
BXME2201-S28	1	0	0	28	150.2
BXME2201-S34	1	0	0	34	170.6

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

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

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
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 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.

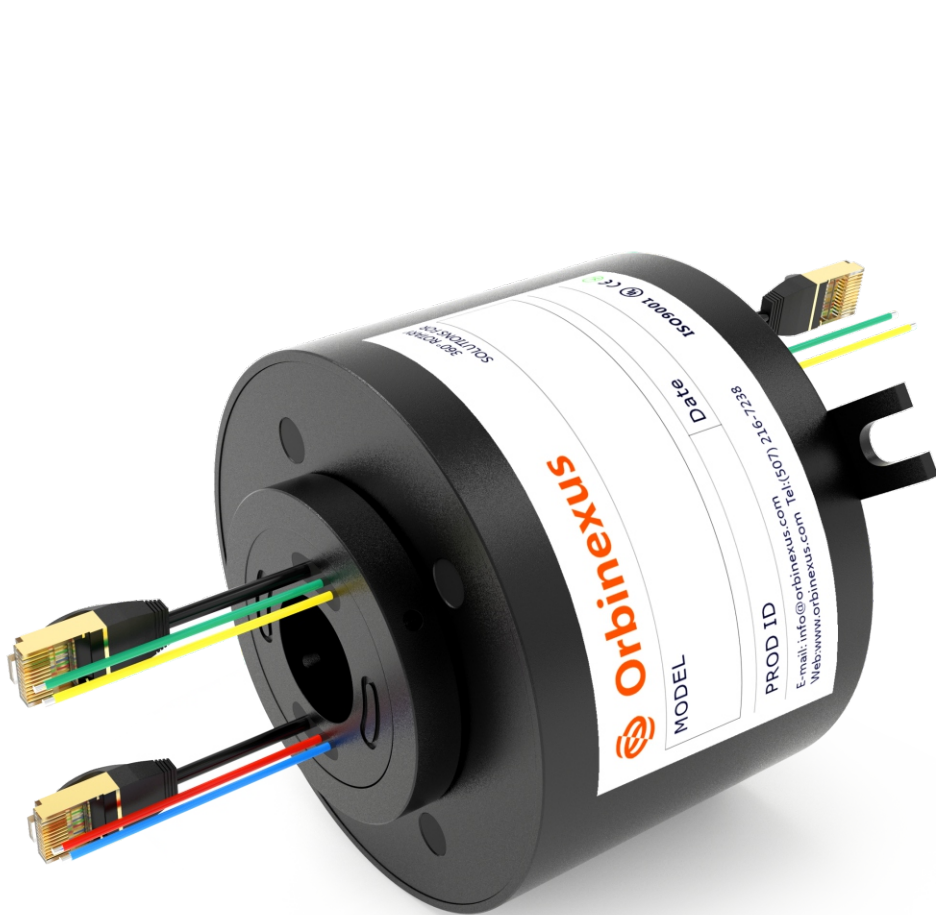
1. Cable exit way and cable length can be customized for both rotor and stator.
 2. Because of the structure limitation, length/height/OD can be customized on your request.
 3. Support current or signal up to 200 rings.
 4. Aviation plug, terminal and heat-shrink tube are optional.
 5. Hybrid slip ring 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

BXME2202 SERIES 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~20 power and signal channel

BXME2202, support 2 channels 1000M ethernet slip rings, with through bore size 20mm, overall dia BXMEter 69mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

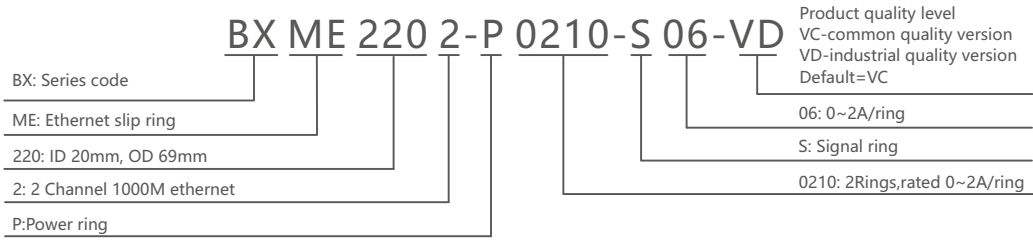
Product images



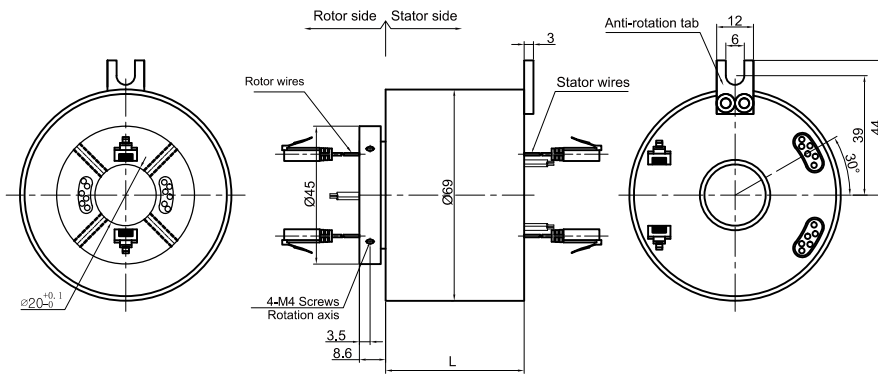
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2202 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2202-S02	2	0	0	2	86
BXME2202-P0210	2	2	0	0	86
BXME2202-P0420	2	0	4	0	106.4
BXME2202-S08	2	0	0	8	106.4
BXME2202-P0810	2	8	0	0	106.4
BXME2202-P0210-S06	2	2	0	6	106.4
BXME2202-P0410-S04	2	4	0	4	106.4
BXME2202-S14	2	0	0	14	126.8
BXME2202-P0410-S10	2	4	0	10	126.8
BXME2202-P0610-S08	2	6	0	8	126.8
BXME2202-P1010-S04	2	10	0	04	126.8
BXME2202-S20	2	0	0	20	150.2
BXME2202-S26	2	0	0	26	170.6
BXME2202-S32	2	0	0	32	191

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

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

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
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 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

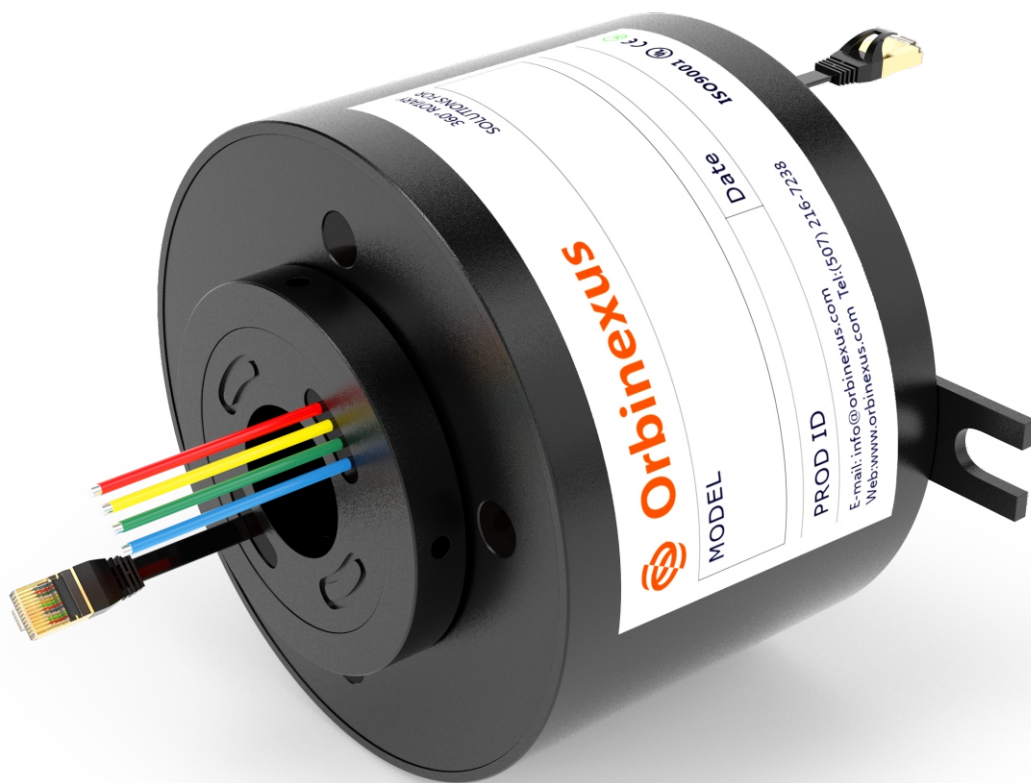
Technical support : Info@orbinexus.com

BXME2251 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~46 power and signal channel

BXME2251, support 1 channel 1000M ethernet slip rings, with through bore size 25.4mm, overall diaBXMEter 86mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

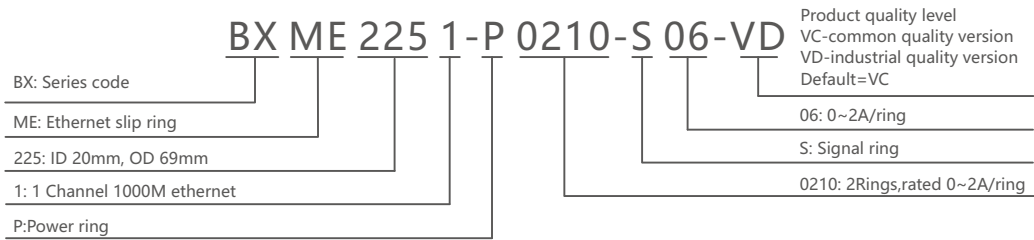
Product images



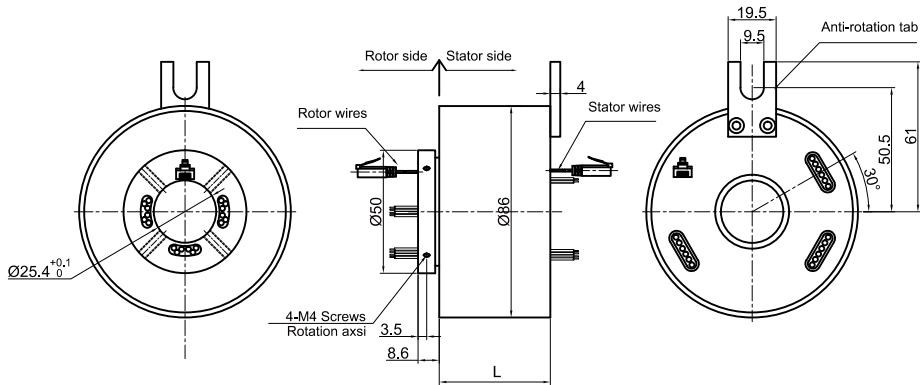
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2251 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2251-S04	1	0	0	4	65.6
BXME2251-P0410	1	4	0	0	65.6
BXME2251-P0420	1	0	4	0	86
BXME2251-S10	1	0	0	10	86
BXME2251-P0210-S08	1	2	0	8	86
BXME2251-P0410-S06	1	4	0	6	86
BXME2251-P0610-S04	1	6	0	4	86
BXME2251-S16	1	0	0	16	106.4
BXME2251-P1610	1	16	0	0	106.4
BXME2251-P0410-S12	1	4	0	12	106.4
BXME2251-P0610-S10	1	6	0	10	106.4
BXME2251-P0810-S08	1	8	0	8	106.4
BXME2251-P1010-S06	1	10	0	6	106.4
BXME2251-S22	1	0	0	22	126.8

BXME2251 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2251-P0410-S18	1	4	0	18	126.8
BXME2251-P2210	1	22	0	0	126.8
BXME2251-S28	1	0	0	28	150.2
BXME2251-P0610-S22	1	6	0	22	150.2
BXME2251-P0610-S34	1	6	0	34	193.2
BXME2251-S40	1	0	0	40	193.2
BXME2251-P0610-S40	1	6	0	40	234
BXME2251-S46	1	0	0	46	234

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
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 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

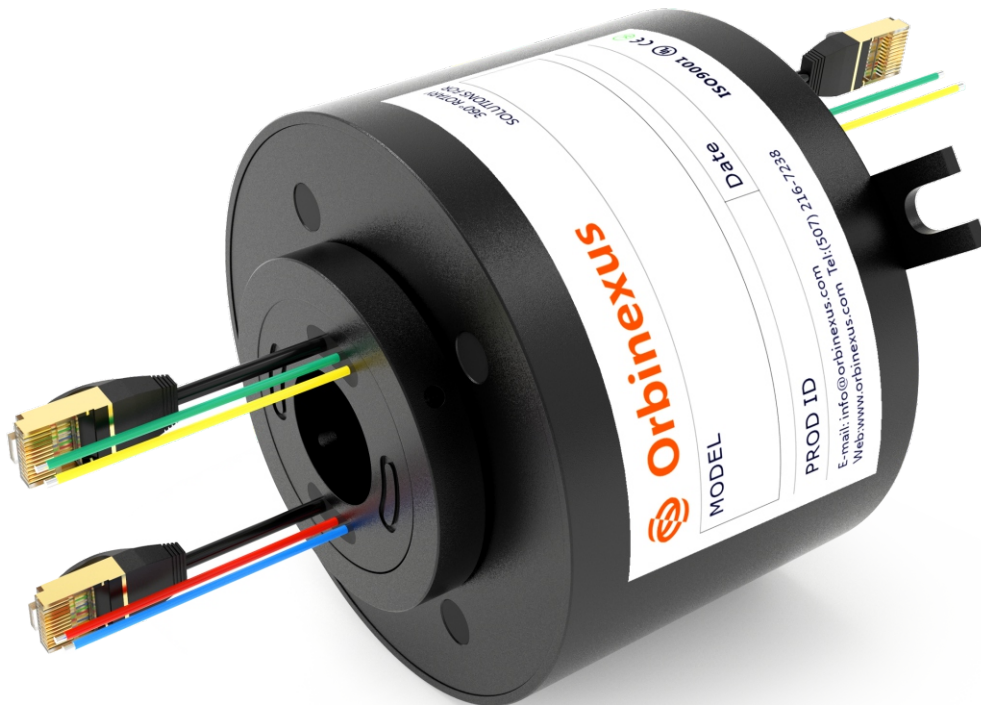
Technical support : Info@orbinexus.com

BXME2252 SERIES 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~38 power and signal channel

BXME2252, support 2 channels 1000M ethernet slip rings, with through bore size 25.4mm, overall dia BXMEter 86mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

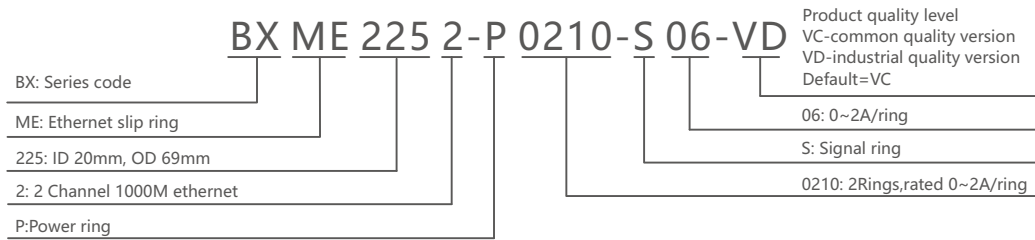
Product images



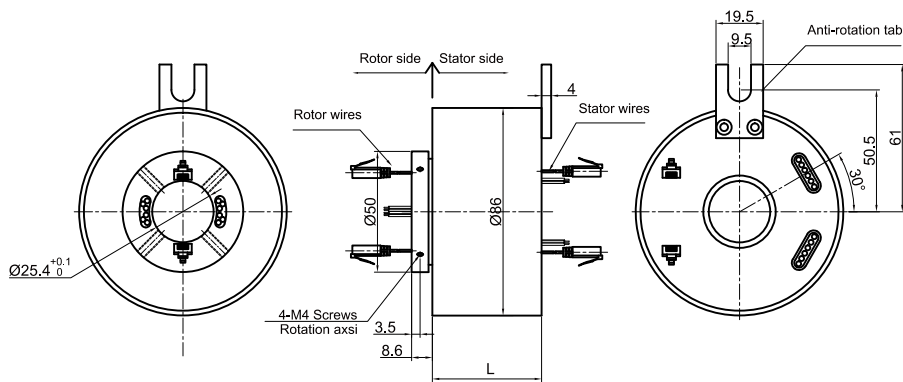
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2252 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2252-S02	2	0	0	2	86
BXME2252-P0210	2	2	0	0	86
BXME2252-S08	2	0	0	8	106.4
BXME2252-P0810	2	8	0	0	106.4
BXME2252-P0420	2	0	4	0	106.4
BXME2252-P0410-S04	2	4	0	4	106.4
BXME2252-S14	2	0	0	14	126.8
BXME2252-P0410-S10	2	4	0	10	126.8
BXME2252-P0610-S08	2	6	0	8	126.8
BXME2252-P0810-S06	2	8	0	6	126.8
BXME2252-P1010-S04	2	10	0	4	126.8
BXME2252-P1410	2	14	0	0	126.8
BXME2252-S20	2	0	0	20	150.2
BXME2252-P0410-S16	2	4	0	16	150.2

BXME2252 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2252-P1010-S10	2	10	0	10	150.2
BXME2252-P2010	2	20	0	0	150.2
BXME2252-P0610-S26	2	6	0	26	193.2
BXME2252-S32	2	0	0	32	193.2
BXME2252-P0610-S32	2	6	0	32	234
BXME2252-S38	2	0	0	38	234

Note:

- 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
- According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
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 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

BXME2381 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~46 power and signal channel

BXME2381, support 1 channel 1000M ethernet slip rings, with through bore size 38.1mm, overall dia BXMEter 99mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

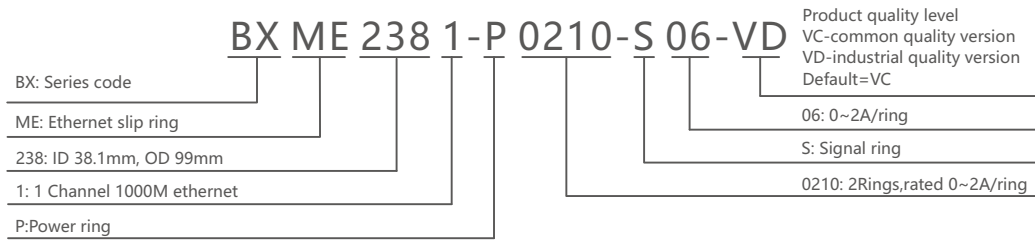
Product images



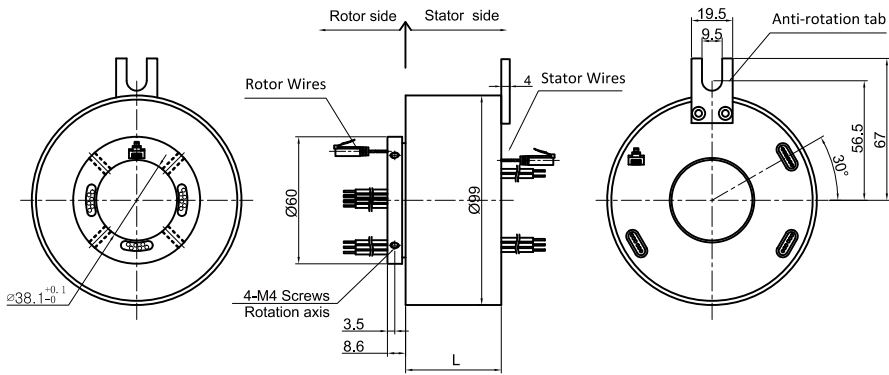
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2381 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2381-S04	1	0	0	4	65.6
BXME2381-P0410	1	4	0	0	65.6
BXME2381-P0420	1	0	4	0	86
BXME2381-S10	1	0	0	10	86
BXME2381-P0210-S08	1	2	0	8	86
BXME2381-P0410-S06	1	4	0	6	86
BXME2381-P0610-S04	1	6	0	4	86
BXME2381-S16	1	0	0	16	106.4
BXME2381-P1610	1	16	0	0	106.4
BXME2381-P0410-S12	1	4	0	12	106.4
BXME2381-P0610-S10	1	6	0	10	106.4
BXME2381-P0810-S08	1	8	0	8	106.4
BXME2381-P1010-S06	1	10	0	6	106.4
BXME2381-S22	1	0	0	22	126.8

BXME2381 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2381-P0410-S18	1	4	0	18	126.8
BXME2381-P2210	1	22	0	0	126.8
BXME2381-S28	1	6	0	28	150.2
BXME2381-P0610-S22	1	6	0	22	150.2
BXME2381-P0610-S34	1	6	0	34	193.2
BXME2381-S40	1	0	0	40	193.2
BXME2381-P0610-S40	1	6	0	40	234
BXME2381-S46	1	0	0	46	234

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
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 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

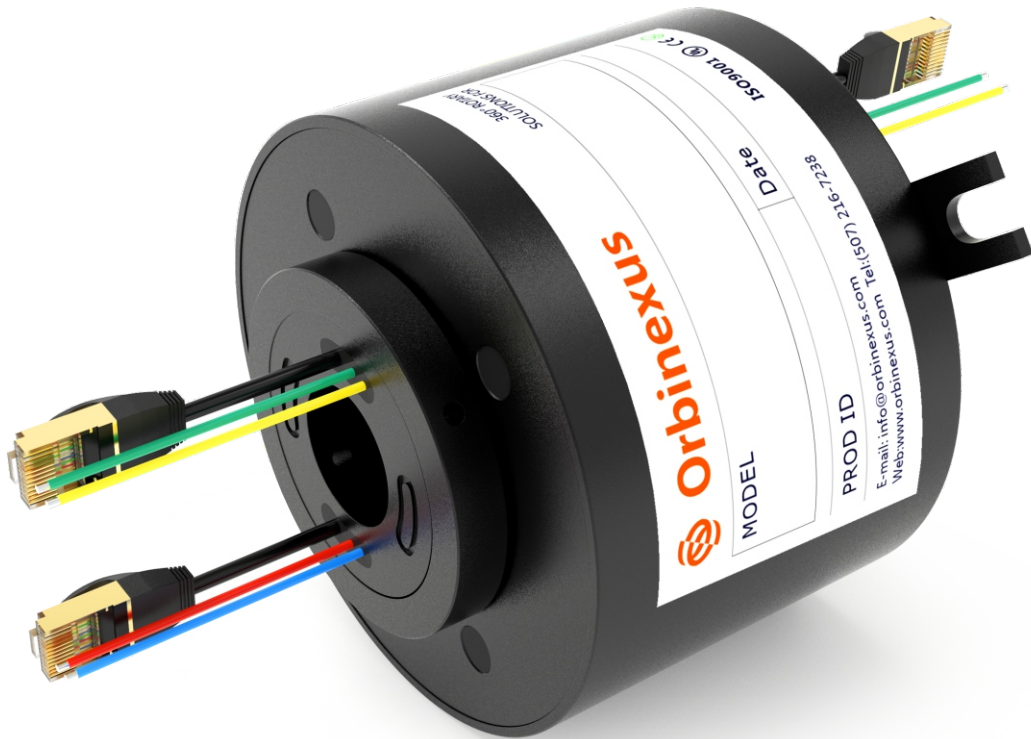
Technical support : Info@orbinexus.com

BXME2382 SERIES 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~38 power and signal channel

BXME2382, support 2 channels 1000M ethernet slip rings, with through bore size 38.1mm, overall dia BXMEter 99mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

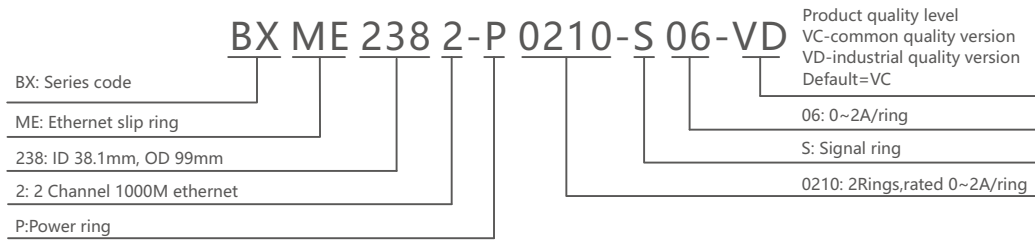
Product images



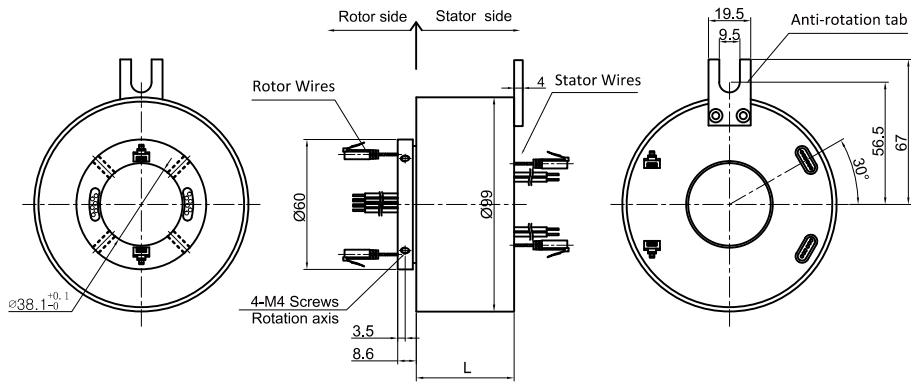
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2382 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2382-S02	2	0	0	2	86
BXME2382-P0210	2	2	0	0	86
BXME2382-S08	2	0	0	8	106.4
BXME2382-P0810	2	8	0	0	106.4
BXME2382-P0420	2	0	4	0	106.4
BXME2382-P0410-S04	2	4	0	4	106.4
BXME2382-S14	2	0	0	14	126.8
BXME2382-P0410-S10	2	4	0	10	126.8
BXME2382-P0610-S08	2	6	0	8	126.8
BXME2382-P0810-S06	2	8	0	6	126.8
BXME2382-P1010-S04	2	10	0	4	126.8
BXME2382-P1410	2	14	0	0	126.8
BXME2382-S20	2	0	0	20	150.2
BXME2382-P0410-S16	2	4	0	16	150.2

BXME2381 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2382-P1010-S10	2	10	0	10	150.2
BXME2382-P2010	2	20	0	0	150.2
BXME2382-P0610-S26	2	6	0	26	193.2
BXME2382-S32	2	0	0	32	193.2
BXME2382-P0610-S32	2	6	0	32	234
BXME2382-S38	2	0	0	38	234

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
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 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

BXME2501 SERIES 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+ 1~46 power and signal channel

BXME2501, support 1 channel 1000M ethernet slip rings, with through bore size 50mm, overall dia BXMEter 119mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

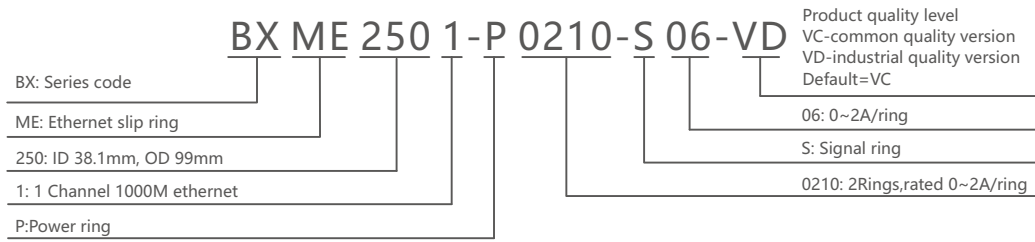
Product images



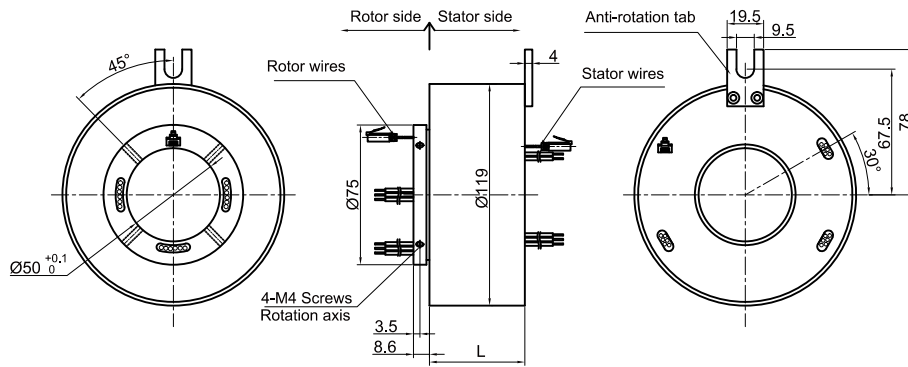
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2501 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2501-S04	1	0	0	4	74
BXME2501-P0410	1	4	0	0	74
BXME2501-P0420	1	0	4	0	96.8
BXME2501-S10	1	0	0	10	96.8
BXME2501-P0210-S08	1	2	0	8	96.8
BXME2501-P0410-S06	1	4	0	6	96.8
BXME2501-P0610-S04	1	6	0	4	96.8
BXME2501-P1010	1	10	0	0	96.8
BXME2501-S16	1	0	0	16	119.6
BXME2501-P1610	1	16	0	0	119.6
BXME2501-P0410-S12	1	4	0	12	119.6
BXME2501-P0810-S08	1	8	0	8	119.6
BXME2501-P1010-S06	1	10	0	6	119.6
BXME2501-S22	1	0	0	22	142.4

BXME2501 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
BXME2501-P0410-S18	1	4	0	18	142.4
BXME2501-P1010-S12	1	10	0	12	142.4
BXME2501-P2210	1	22	0	0	142.4
BXME2501-P0610-S22	1	6	0	22	169.2
BXME2501-P0610-S34	1	6	0	34	217.4
BXME2501-P1210-S28	1	12	0	28	217.4
BXME2501-S40	1	0	0	40	217.4
BXME2501-P0610-S40	1	6	0	40	263
BXME2501-S46	1	0	0	46	263

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
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 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

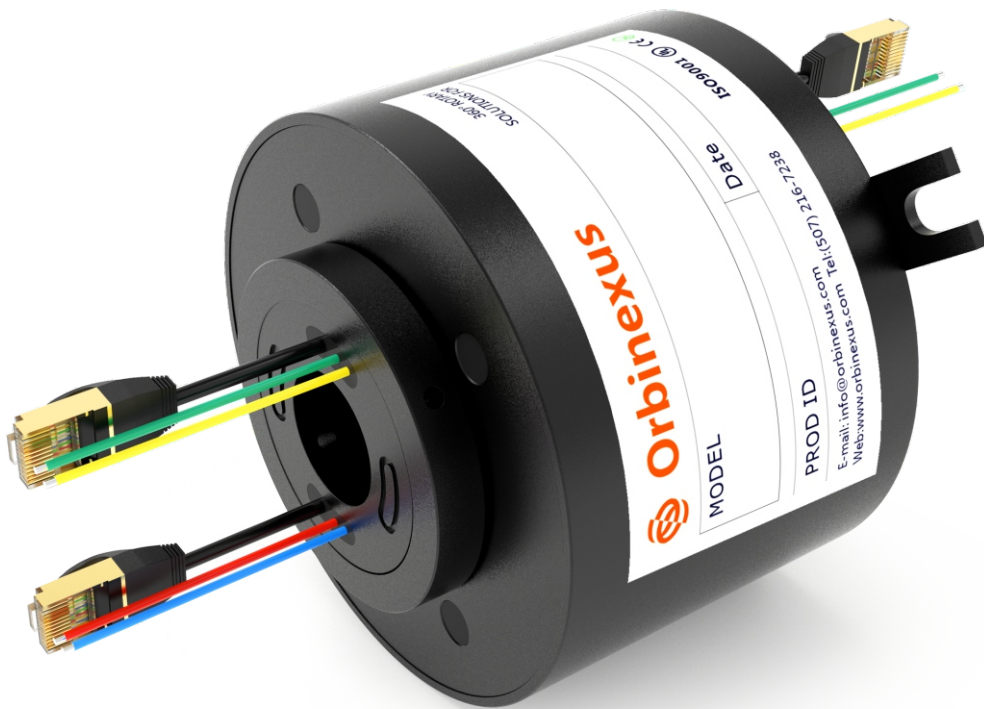
Technical support : Info@orbinexus.com

BXME2502 SERIES 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~38 power and signal channel

BXME2502, support 2 channels 1000M ethernet slip rings, with through bore size 50mm, overall dia BXMEter 119mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.

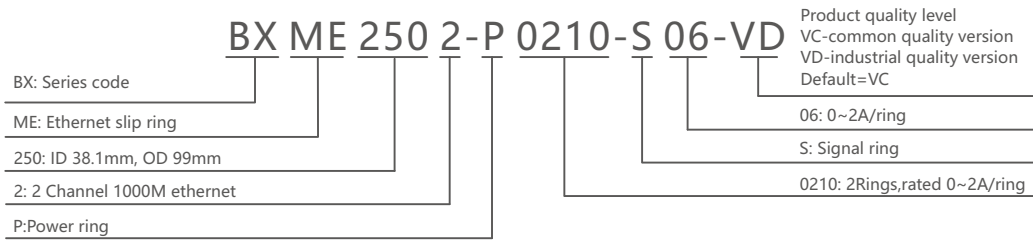
Product images



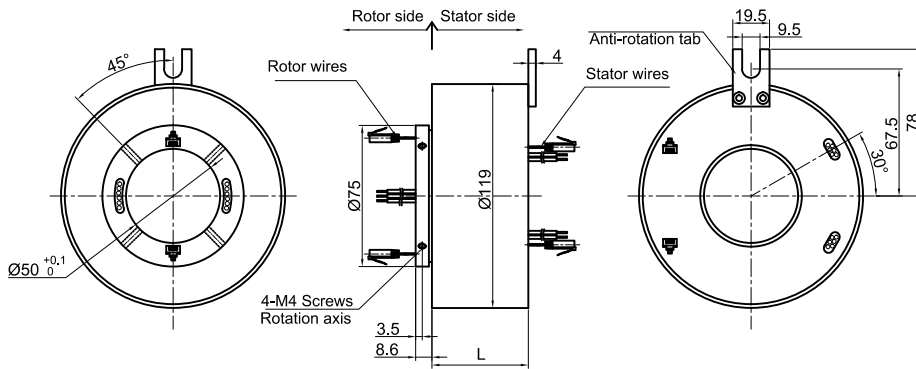
The pictures are for reference only

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

Part# Explanation



Dimensions



BXME2502 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
ME2502-S02	2	0	0	2	96.8
ME2502-P0210	2	2	0	0	96.8
ME2502-S08	2	0	0	8	120
ME2502-P0810	2	8	0	0	120
ME2502-P0420	2	0	4	0	120
ME2502-P0410-S04	2	4	0	4	120
ME2502-S14	2	0	0	14	142.4
ME2502-P0610-S08	2	6	0	8	142.4
ME2502-P0410-S10	2	4	0	10	142.4
ME2502-P0810-S06	2	8	0	6	142.4
ME2502-P1410	2	14	0	0	142.4
ME2502-S20	2	0	0	20	169.2
ME2502-P0410-S16	2	4	0	16	169.2
ME2502-P1010-S10	2	10	0	10	169.2

BXME2502 Series Ethernet Slip Ring

Parts#	1000M Ethernet	10A	20A	Signal or 5A	Length(mm)
ME2502-P1410-S06	2	14	0	6	169.2
ME2502-P2010	2	20	0	0	169.2
ME2502-P0610-S26	2	6	0	26	217.4
ME2502-P1210-S20	2	12	0	20	217.4
ME2502-S32	2	0	0	32	217.4
ME2502-P0610-S32	2	6	0	32	263
ME2501-P1210-S26	2	12	0	26	263
ME2502-S38	2	0	0	38	236

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. According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

Ethernet Specification

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

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	

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 Material	Aluminium 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	250RPM	20 Million Revs	Precious Metal
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 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