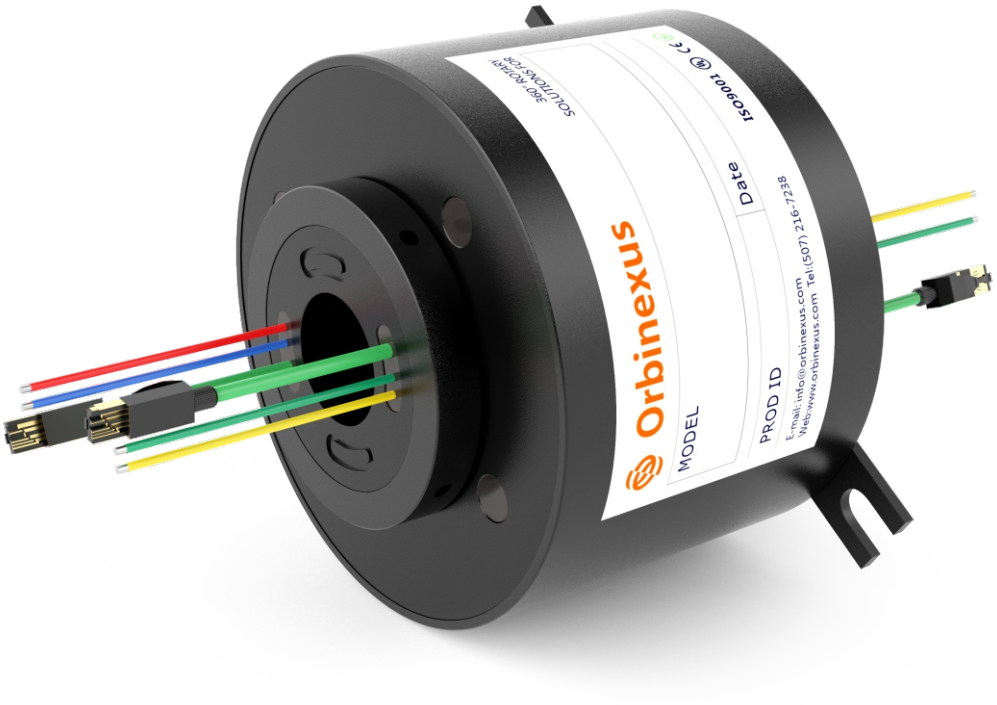
BXMB SERIES
Industry Bus Slip Rings

Industry bus slip ring is specially designed for various industrial bus transmission, supporting various bus, such as Profibus,CanBUS， CANOPEN,DeviceNET and son on. It can combine with digital/analog video, digital audio, Gigabit Ethernet, temperature, weight sensor signal and all kinds of power signals.

Features

- BXMB series slip rings can support Profibus, EtherCAT,CanBUS, CANOPEN,DeviceNET, CC-LINK, ProfiNET, etc.
- High rate industry field-bus slip ring
- Super-strong capacity of anti-interference.
- Special shield for inner structure
- Guarantee 100% communication without dead point
- Specially designed for high rate data and error free transmission
- Invention Patent
- Contact parts adopt rare metals and hard gold plating treatment process, guaranteeing wear-resisting and oxidation resistance, which ensures long working life



BXMB Series Models

Model#	ID(mm)	OD(mm)	Bus Channel Number	Power 10A/signal number
BXMB120	12.7	69	1~4	1~48
BXMB250	25.4	99	1~4	1~72
BXMB250F	0	86	1~4	1~72
BXMB380	38.1	99	1~4	1~72
BXMB500	50	119	1~4	1~96

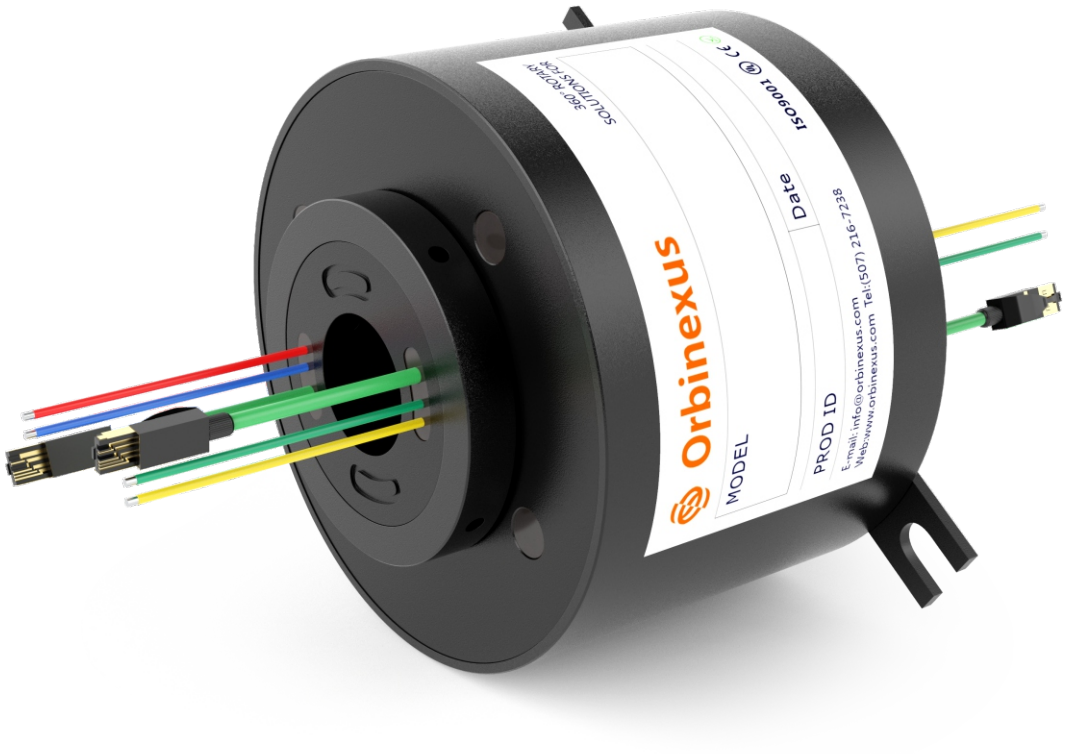
Web: www.orbinexus.com Email: Info@orbinexus.com

BXMB120 SERIES

Industry Bus Slip Rings(high speed transmission)

BXMB120 series is our standard series integral and precise industry bus slip ring , with bore size 12.7mm (1/2", suitable for <=12.7mm), can support Profibus, EtherCAT,CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, etc.
Note: If required through bore<12.7mm,this can be solved by adding a sleeve inside the bore.

Product images



The pictures are for reference only

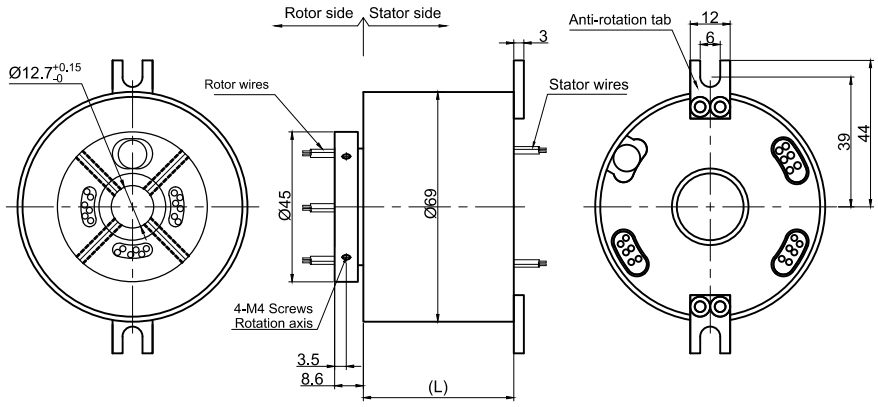
If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation

BX MB 120-P 0610-S 06-02P-VC

- BX: Series code
- MB: Industry bus slip ring
- 120: ID 12.7mm
- P:Power ring
- 0610:6 rings, each(0~10A)
- S: Signal ring
- 06: 6 Rings (each 0~5A)
- 02: 2 Channels Industry Bus
- P:Bus types; P=Profibus, E=EtherCAT, C=CANBUS, N=CANOPEN D=DeviceNet, K=CC-LINK, F=ProfiNET, X=Others
- Product quality level VC-common quality version VD-industrial quality version Default=VC

Dimensions



BXMB120 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB120-01P	0	0	Profibus ×1	45.2
BXMB120-P0610-01P	6	0	Profibus ×1	65.6
BXMB120-P1210-01P	12	0	Profibus ×1	86
BXMB120-P0610-S06-01P	6	6	Profibus ×1	86
BXMB120-S12-01P	0	12	Profibus ×1	86
BXMB120-P1810-01P	18	0	Profibus ×1	106.4
BXMB120-P0610-S12-01P	6	12	Profibus ×1	106.4
BXMB120-P1210-S06-01P	12	6	Profibus ×1	106.4
BXMB120-S24-01P	0	24	Profibus ×1	126.8
BXMB120-P1210-S12-01P	12	12	Profibus ×1	126.8
BXMB120-S30-01P	0	30	Profibus ×1	150.2
BXMB120-S36-01P	0	36	Profibus ×1	170.6
BXMB120-01C	0	0	CANBUS ×1	45.2
BXMB120-P0610-01C	6	0	CANBUS ×1	65.6

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BXMB120 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB120-P1210-01C	12	0	CANBUS ×1	86
BXMB120-P0610-S06-01C	6	6	CANBUS ×1	86
BXMB120-S12-01C	0	12	CANBUS ×1	86
BXMB120-P1810-01C	18	0	CANBUS ×1	106.4
BXMB120-P0610-S12-01C	6	12	CANBUS ×1	106.4
BXMB120-P1210-S06-01C	12	6	CANBUS ×1	106.4
BXMB120-S24-01C	0	0	CANBUS ×1	126.8
BXMB120-P1210-S12-01C	12	12	CANBUS ×1	126.8
BXMB120-S03-01C	0	30	CANBUS ×1	150.2
BXMB120-S36-01C	0	36	CANBUS ×1	170.6
BXMB120-01N	0	0	CANOPEN ×1	45.2
BXMB120-P0610-01N	6	0	CANOPEN ×1	65.6
BXMB120-P1210-01N	12	0	CANOPEN ×1	86
BXMB120-P0610-S06-01N	6	6	CANOPEN ×1	86
BXMB120-S12-01N	0	12	CANOPEN ×1	86
BXMB120-P1810-01N	18	0	CANOPEN ×1	106.4
BXMB120-P0610-S12-01N	6	12	CANOPEN ×1	106.4
BXMB120-P1210-S06-01N	12	6	CANOPEN ×1	106.4
BXMB120-S24-01N	0	24	CANOPEN ×1	126.8
BXMB120-P1210-S12-01N	12	12	CANOPEN ×1	126.8
BXMB120-S30-01N	0	30	CANOPEN ×1	150.2
BXMB120-S36-01N	0	36	CANOPEN ×1	170.6
BXMB120-01K	0	0	CC-LINK × 1	45.2
BXMB120-P0610-01K	6	0	CC-LINK × 1	65.6
BXMB120-P1210-01K	12	0	CC-LINK × 1	86
BXMB120-P1210-S06-01K	6	6	CC-LINK × 1	86
BXMB120-S12-01K	0	12	CC-LINK × 1	86
BXMB120-P1810-01K	18	0	CC-LINK × 1	106.4
BXMB120-01E	0	0	EtherCAT ×1	45.2
BXMB120-P0610-01E	6	0	EtherCAT ×1	65.6
BXMB120-P1210-01E	12	0	EtherCAT ×1	86
BXMB120-P0610-S06-01E	6	6	EtherCAT ×1	86
BXMB120-S12-01E	0	12	EtherCAT ×1	86
BXMB120-P1810-01E	18	0	EtherCAT ×1	106.4
BXMB120-P0610-S12-01E	6	12	EtherCAT ×1	106.4
BXMB120-P1210-S06-01E	12	6	EtherCAT ×1	106.4
BXMB120-S24-01E	0	24	EtherCAT ×1	126.8
BXMB120-P1210-S12-01E	12	12	EtherCAT ×1	126.8
BXMB120-S30-01E	0	30	EtherCAT ×1	150.2

BXMB120 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB120-S60-01E	0	36	EtherCAT ×1	170.6
BXMB120-01D	0	0	DeviceNET ×1	45.2
BXMB120-P0610-01D	6	0	DeviceNET ×1	65.6
BXMB120-O1210-01D	12	0	DeviceNET ×1	86
BXMB120-P0610-01D	6	6	DeviceNET ×1	86
BXMB120-S12-01D	0	12	DeviceNET ×1	86
BXMB120-P1810-01D	18	0	DeviceNET ×1	106.4
BXMB120-P0610-S12-01D	6	12	DeviceNET ×1	106.4
BXMB120-P1210-S06-01D	12	6	DeviceNET ×1	106.4
BXMB120-S24-01D	0	0	DeviceNET ×1	126.8
BXMB120-P1210-01D	12	12	DeviceNET ×1	126.8
BXMB120-S30-01D	0	30	DeviceNET ×1	150.2
BXMB120-S36-01D	0	36	DeviceNET ×1	170.6
BXMB120-01E	0	0	ProfiNET ×1	45.2
BXMB120-0610-01F	6	0	ProfiNET ×1	65.6
BXMB120-P1210-01F	12	0	ProfiNET ×1	86
BXMB120-P0610-S06-01F	6	6	ProfiNET ×1	86
BXMB120-S12-01F	0	12	ProfiNET ×1	86
BXMB120-P1810-01F	18	0	ProfiNET ×1	106.4
BXMB120-P0610-S12-01F	6	12	ProfiNET ×1	106.4
BXMB120-P1210-S06-01F	12	6	ProfiNET ×1	106.4
BXMB120-S24-01F	0	24	ProfiNET ×1	126.8
BXMB120-P1210-S12-01F	12	12	ProfiNET ×1	126.8
BXMB120-S03-01F	0	30	ProfiNET ×1	150.2
BXMB120-S36-01F	0	36	ProfiNET ×1	170.6
BXMB120-P0610-S12-01K	0	12	CC-LINK × 1	106.4
BXMB120-P1210-S06-01K	12	6	CC-LINK × 1	106.4
BXMB120-S24-01K	0	24	CC-LINK × 1	126.8
BXMB120-P1210-01K	12	12	CC-LINK × 1	126.8
BXMB120-S30-01K	6	30	CC-LINK × 1	150.2
BXMB120-S36-01K	0	36	CC-LINK × 1	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. Power 10A and signal rings number can be with flexible module configuration on customer's request. Please contact customer service for more various industrial bus configuration.

Web: www.orbinexus.com Email: Info@orbinexus.com

Mechanical Data

Project	Numerical value
Working Life	See product quality level table
Rotating Speed	See product quality level table
Working temperature	-30℃~80℃
Operating Humidity	0~85% RH
Contact Material	See product quality level table
Housing Materia	aluminum alloy
Torque	0.1N.m； +0.03N.m/6 rings
Protection Grade	IP51

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wire	AWG17#Teflon	AWG22#Teflon or bus cable
Lead Length	standard length 300mm（adjustable）	
Insulating Strength	500VAC@50Hz，60s	
Electrical Noise	<0.01Ω	

Product Quality Level Table

Quality Level Code	Max Rotating Speed	Working Life	Contact Material
VC （Common Version）	200RPM	15 Million Revs	Precious Metal
VD （Industrial Version）	600RPM	80 Million Revs	Gold-Gold
VH （high-end version）	1000RPM	150 Million Revs	Aluminum Alloy

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	YEL	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

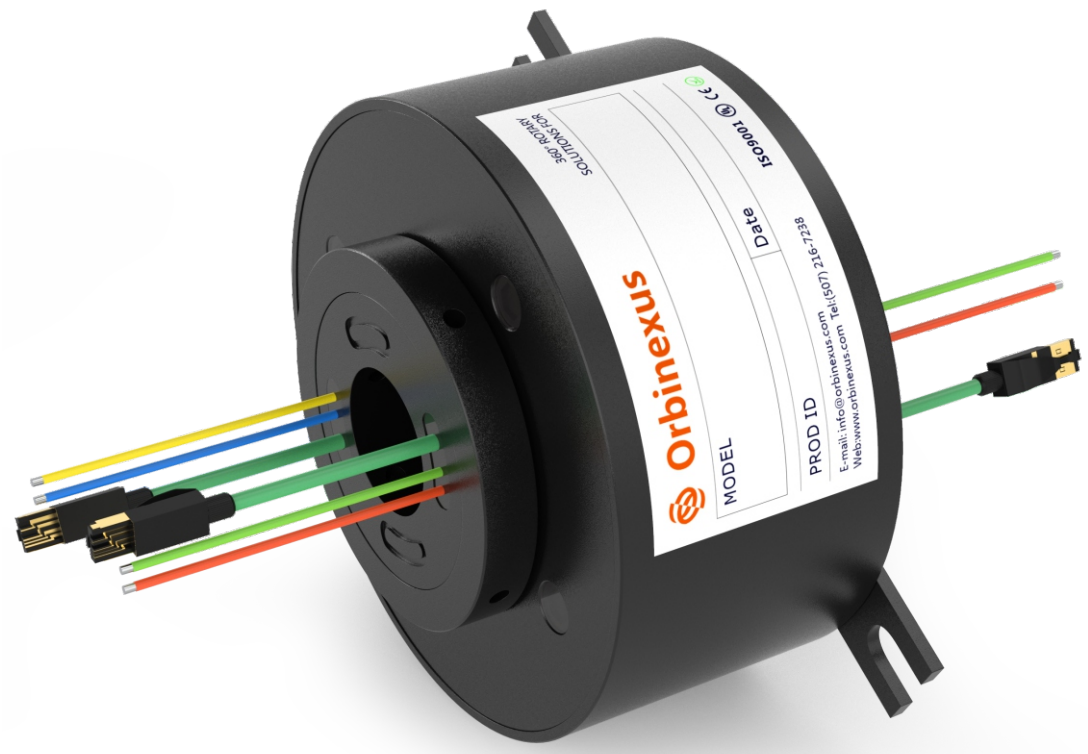
Technical support : Info@orbinexus.com

BXMB250 SERIES

Industry Bus Slip Rings(high speed transmission)

BXMB250 series is our standard series integral and precise industry bus slip ring , with bore size 25.4mm (1/2", suitable for <=25.4mm), can support Profibus,EtherCAT, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, etc.
Note: If required through bore<25.4mm,this can be solved by adding a sleeve inside the bore.

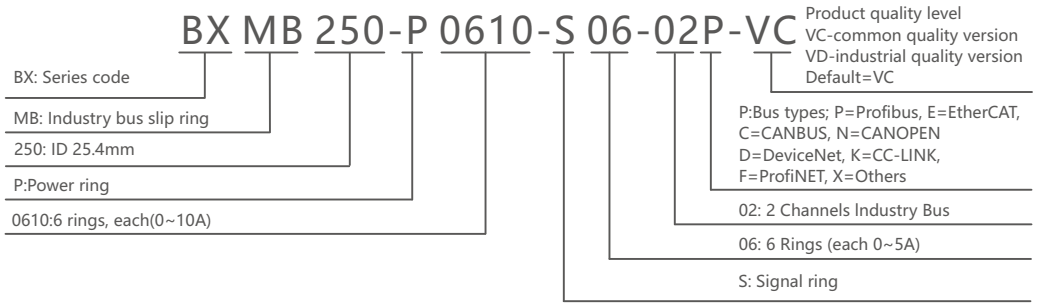
Product images



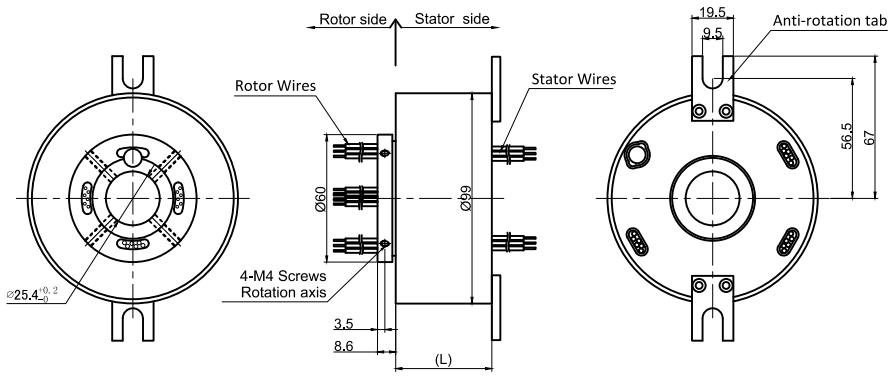
The pictures are for reference only

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

Part# Explanation



Dimensions



BXMB250 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB250-01P	0	0	Profibus ×1	45.2
BXMB250-P0610-01P	6	0	Profibus ×1	65.6
BXMB250-P1210-01P	12	0	Profibus ×1	86
BXMB250-P0610-S06-01P	6	6	Profibus ×1	86
BXMB250-S12-01P	0	12	Profibus ×1	86
BXMB250-P1810-01P	18	0	Profibus ×1	106.4
BXMB250-P0610-S12-01P	6	12	Profibus ×1	106.4
BXMB250-P1210-S06-01P	12	6	Profibus ×1	106.4
BXMB250-S24-01P	0	24	Profibus ×1	126.8
BXMB250-P1210-S12-01P	12	12	Profibus ×1	126.8
BXMB250-S30-01P	0	30	Profibus ×1	150.2
BXMB250-S36-01P	0	36	Profibus ×1	170.6
BXMB250-01C	0	0	CANBUS ×1	45.2
BXMB250-P0610-01C	6	0	CANBUS ×1	65.6

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BXMB250 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB250-P1210-01C	12	0	CANBUS ×1	86
BXMB250-P0610-S06-01C	6	6	CANBUS ×1	86
BXMB250-S12-01C	0	12	CANBUS ×1	86
BXMB250-P1810-01C	18	0	CANBUS ×1	106.4
BXMB250-P0610-S12-01C	6	12	CANBUS ×1	106.4
BXMB250-P1210-S06-01C	12	6	CANBUS ×1	106.4
BXMB250-S24-01C	0	0	CANBUS ×1	126.8
BXMB250-P1210-S12-01C	12	12	CANBUS ×1	126.8
BXMB250-S30-01C	0	30	CANBUS ×1	150.2
BXMB250-S36-01C	0	36	CANBUS ×1	170.6
BXMB250-01N	0	0	CANOPEN ×1	45.2
BXMB250-P0610-01N	6	0	CANOPEN ×1	65.6
BXMB250-P1210-01N	12	0	CANOPEN ×1	86
BXMB250-P0610-S06-01N	6	6	CANOPEN ×1	86
BXMB250-S12-01N	0	12	CANOPEN ×1	86
BXMB250-P1810-01N	18	0	CANOPEN ×1	106.4
BXMB250-P0610-S12-01N	6	12	CANOPEN ×1	106.4
BXMB250-P1210-S06-01N	12	6	CANOPEN ×1	106.4
BXMB250-S24-01N	0	24	CANOPEN ×1	126.8
BXMB250-P1210-S12-01N	12	12	CANOPEN ×1	126.8
BXMB250-S30-01N	0	30	CANOPEN ×1	150.2
BXMB250-S36-01N	0	36	CANOPEN ×1	170.6
BXMB250-01K	0	0	CC-LINK ×1	45.2
BXMB250-P0610-01K	6	0	CC-LINK×1	65.6
BXMB250-P1210-01K	12	0	CC-LINK ×1	86
BXMB250-P0610-S06-01K	6	6	CC-LINK ×1	86
BXMB250-S12-01K	0	12	CC-LINK ×1	86
BXMB250-P1810-01K	18	0	CC-LINK ×1	106.4
BXMB250-01E	0	0	EtherCAT ×1	45.2
BXMB250-P0610-01E	6	0	EtherCAT ×1	65.6
BXMB250-P1210-01E	12	0	EtherCAT ×1	86
BXMB250-P0610-S06-01E	6	6	EtherCAT ×1	86
BXMB250-S12-01E	0	12	EtherCAT ×1	86
BXMB250-P1810-01E	18	0	EtherCAT ×1	106.4
BXMB250-P0610-S12-01E	6	12	EtherCAT ×1	106.4
BXMB250-P1210-S06-01E	12	6	EtherCAT ×1	106.4
BXMB250-S24-01E	0	24	EtherCAT ×1	126.8
BXMB250-P1210-S12-01E	12	12	EtherCAT ×1	126.8
BXMB250-S30-01E	0	30	EtherCAT ×1	150.2

BXMB250 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB250-S36-01E	0	36	EtherCAT ×1	170.6
BXMB250-01D	0	0	DeviceNET ×1	45.2
BXMB250-P0610-01D	6	0	DeviceNET ×1	65.6
BXMB250-P1210-01D	12	0	DeviceNET ×1	86
BXMB250-P0610-S06-01D	6	6	DeviceNET ×1	86
BXMB250-S12-01D	0	12	DeviceNET ×1	86
BXMB250-P1810-01D	18	0	DeviceNET ×1	106.4
BXMB250-P0610-S12-01D	6	12	DeviceNET ×1	106.4
BXMB250-P1210-S06-01D	12	6	DeviceNET ×1	106.4
BXMB250-S24-01D	0	0	DeviceNET ×1	126.8
BXMB250-P1210-S12-01D	12	12	DeviceNET ×1	126.8
BXMB250-S30-01D	0	30	DeviceNET ×1	150.2
BXMB250-S36-01D	0	36	DeviceNET ×1	170.6
BXMB250-01F	0	0	ProfiNET ×1	45.2
BXMB250-P0610-01F	6	0	ProfiNET ×1	65.6
BXMB250-P1210-01F	12	0	ProfiNET ×1	86
BXMB250-P0610-S06-01F	6	6	ProfiNET ×1	86
BXMB250-S12-01F	0	12	ProfiNET ×1	86
BXMB250-P1810-01F	18	0	ProfiNET ×1	106.4
BXMB250-P0610-S12-01F	6	12	ProfiNET ×1	106.4
BXMB250-P1210-S06-01F	12	6	ProfiNET ×1	106.4
BXMB250-S24-01F	0	24	ProfiNET ×1	126.8
BXMB250-P1210-S12-01F	12	12	ProfiNET×1	126.8
BXMB250-S30-01F	0	30	ProfiNET ×1	150.2
BXMB250-S36-01F	0	36	ProfiNET ×1	170.6
BXMB250-P0610-S12-01K	6	12	CC-LINK ×1	106.4
BXMB250-P1210-S06-01K	12	6	CC-LINK ×1	106.4
BXMB250-S24-01K	0	24	CC-LINK ×1	126.8
BXMB250-P1210-S12-01K	12	12	CC-LINK ×1	126.8
BXMB250-S30-01K	0	30	CC-LINK ×1	150.2
BXMB250-S36-01K	0	36	CC-LINK ×1	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. Power 10A and signal rings number can be with flexible module configuration on customer's request. Please contact customer service for more various industrial bus configuration.

Web: www.orbinexus.com Email: Info@orbinexus.com

Mechanical Data

Project	Numerical value
Working Life	See product quality level table
Rotating Speed	See product quality level table
Working temperature	-30℃~80℃
Operating Humidity	0~85% RH
Contact Material	See product quality level table
Housing Materia	aluminum alloy
Torque	0.1N.m； +0.03N.m/6 rings
Protection Grade	IP51

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wire	AWG16#Teflon	AWG22#Teflon or bus cable
Lead Length	standard length 300mm（adjustable）	
Insulating Strength	500VAC@50Hz，60s	
Electrical Noise	<0.01Ω	

Product Quality Level Table

Quality Level Code	Max Rotating Speed	Working Life	Contact Material
VC （Common Version）	200RPM	15 Million Revs	Precious Metal
VD （Industrial Version）	600RPM	80 Million Revs	Gold-Gold
VH （high-end version）	1000RPM	150 Million Revs	Aluminum Alloy

Lead Wires Color Code

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

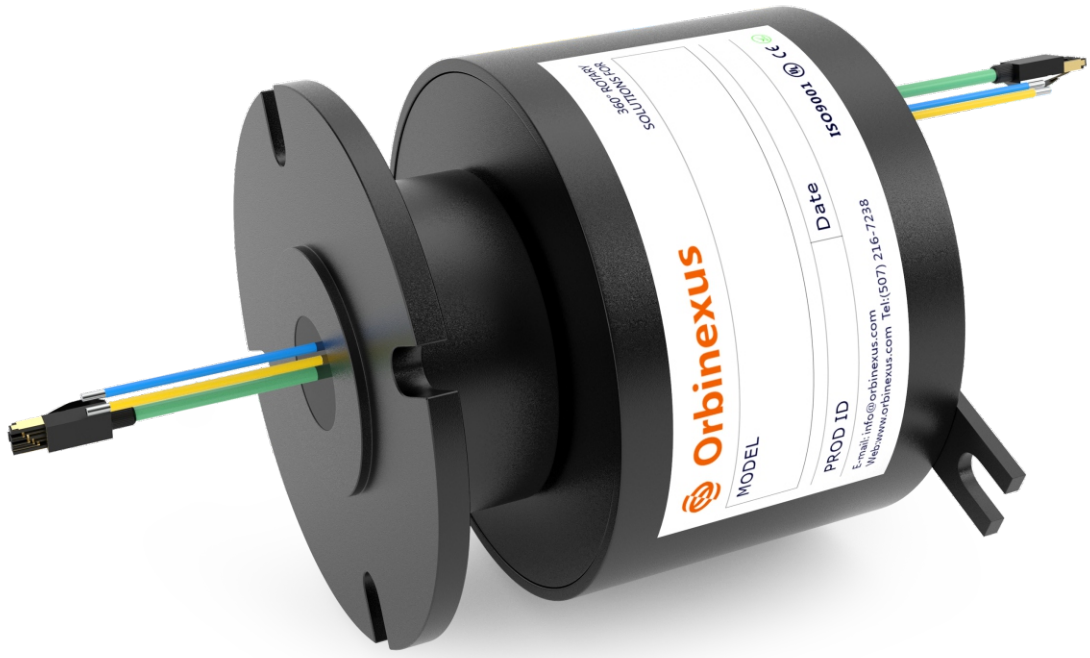
Technical support : Info@orbinexus.com

BXMB250F SERIES

Industry Bus Slip Rings(high speed transmission)

BXMB250F series is standard series integral and precise industry bus slip ring, with OD 86mm, without through bore,rotor flange installation,can support Profibus,EtherCAT, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, etc.

Product images



The pictures are for reference only

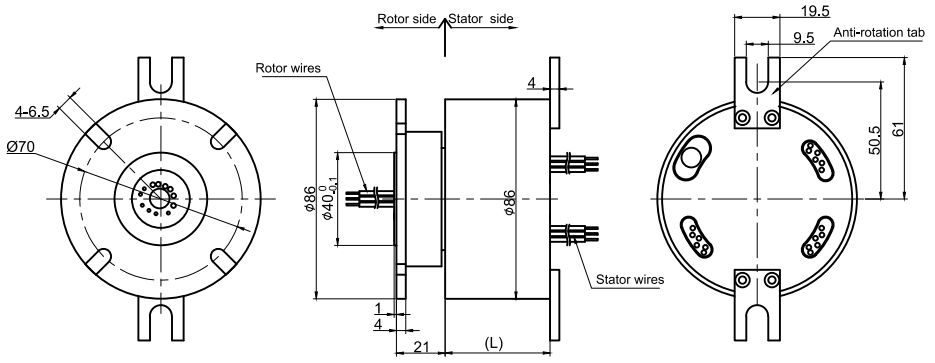
If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation

BX MB 250F-P 0610-S 06-02P-VC

- BX: Series code
- MB: Industry bus slip ring
- 250F: Flange mounting,OD 86mm
- P:Power ring
- 0610:6 rings, each(0~10A)
- S: Signal ring
- 06: 6 Rings (each 0~5A)
- 02: 2 Channels Industry Bus
- P:Bus types; P=Profibus, E=EtherCAT, C=CANBUS, N=CANOPEN D=DeviceNet, K=CC-LINK, F=ProfiNET, X=Others
- Product quality level VC-common quality version VD-industrial quality version Default=VC

Dimensions



BXMB250F Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB250F-01P	0	0	Profibus ×1	45.2
BXMB250F-P0610-01P	6	0	Profibus ×1	65.6
BXMB250F-P1210-01P	12	0	Profibus ×1	86
BXMB250F-P0610-S06-01P	6	6	Profibus ×1	86
BXMB250F-S12-01P	0	12	Profibus ×1	86
BXMB250F-P1810-01P	18	0	Profibus ×1	106.4
BXMB250F-P0610-S12-01P	6	12	Profibus ×1	106.4
BXMB250F-P1210-S06-01P	12	6	Profibus ×1	106.4
BXMB250F-S24-01P	0	24	Profibus ×1	126.8
BXMB250F-P1210-S12-01P	12	12	Profibus ×1	126.8
BXMB250F-S30-01P	0	30	Profibus ×1	150.2
BXMB250F-S36-01P	0	36	Profibus ×1	170.6
BXMB250F-01C	0	0	CANBUS ×1	45.2
BXMB250F-P0610-01C	6	0	CANBUS ×1	65.6

Web: www.orbinexus.com Email: Info@orbinexus.com

BXMB250F Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB250F-P1210-01C	12	0	CANBUS ×1	86
BXMB250F-P0610-S06-01C	6	6	CANBUS ×1	86
BXMB250F-S12-01C	0	12	CANBUS ×1	86
BXMB250F-P1810-01C	18	0	CANBUS ×1	106.4
BXMB250F-P0610-S12-01C	6	12	CANBUS ×1	106.4
BXMB250F-P1210-S06-01C	12	6	CANBUS ×1	106.4
BXMB250F-S24-01C	0	0	CANBUS ×1	126.8
BXMB250F-P1210-S12-01C	12	12	CANBUS ×1	126.8
BXMB250F-S30-01C	0	30	CANBUS ×1	150.2
BXMB250F-S36-01C	0	36	CANBUS ×1	170.6
BXMB250F-01N	0	0	CANOPEN ×1	45.2
BXMB250F-P0610-01N	6	0	CANOPEN ×1	65.6
BXMB250F-P1210-01N	12	0	CANOPEN ×1	86
BXMB250F-P0610-S06-01N	6	6	CANOPEN ×1	86
BXMB250F-S12-01N	0	12	CANOPEN ×1	86
BXMB250F-P1810-01N	18	0	CANOPEN ×1	106.4
BXMB250F-P0610-S12-01N	6	12	CANOPEN ×1	106.4
BXMB250F-P1210-S06-01N	12	6	CANOPEN ×1	106.4
BXMB250F-S24-01N	0	24	CANOPEN ×1	126.8
BXMB250F-P1210-S12-01N	12	12	CANOPEN ×1	126.8
BXMB250F-S30-01N	0	30	CANOPEN ×1	150.2
BXMB250F-S36-01N	0	36	CANOPEN ×1	170.6
BXMB250F-01K	0	0	CC-LINK ×1	45.2
BXMB250F-P0610-01K	6	0	CC-LINK×1	65.6
BXMB250F-P1210-01K	12	0	CC-LINK ×1	86
BXMB250F-P0610-S06-01K	6	6	CC-LINK ×1	86
BXMB250F-S12-01K	0	12	CC-LINK ×1	86
BXMB250F-P1810-01K	18	0	CC-LINK ×1	106.4
BXMB250F-01E	0	0	EtherCAT ×1	45.2
BXMB250F-P0610-01E	6	0	EtherCAT ×1	65.6
BXMB250F-P1210-01E	12	0	EtherCAT ×1	86
BXMB250F-P0610-S06-01E	6	6	EtherCAT ×1	86
BXMB250F-S12-01E	0	12	EtherCAT ×1	86
BXMB250F-P1810-01E	18	0	EtherCAT ×1	106.4
BXMB250F-P0610-S12-01E	6	12	EtherCAT ×1	106.4
BXMB250F-P1210-S06-01E	12	6	EtherCAT ×1	106.4
BXMB250F-S24-01E	0	24	EtherCAT ×1	126.8
BXMB250F-P1210-S12-01E	12	12	EtherCAT ×1	126.8
BXMB250F-S30-01E	0	30	EtherCAT ×1	150.2

BXMB250F Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB250F-S36-01E	0	36	EtherCAT ×1	170.6
BXMB250F-01D	0	0	DeviceNET ×1	45.2
BXMB250F-P0610-01D	6	0	DeviceNET ×1	65.6
BXMB250F-P1210-01D	12	0	DeviceNET ×1	86
BXMB250F-P0610-S06-01D	6	6	DeviceNET ×1	86
BXMB250F-S12-01D	0	12	DeviceNET ×1	86
BXMB250F-P1810-01D	18	0	DeviceNET ×1	106.4
BXMB250F-P0610-S12-01D	6	12	DeviceNET ×1	106.4
BXMB250F-P1210-S06-01D	12	6	DeviceNET ×1	106.4
BXMB250F-S24-01D	0	0	DeviceNET ×1	126.8
BXMB250F-P1210-S12-01D	12	12	DeviceNET ×1	126.8
BXMB250F-S30-01D	0	30	DeviceNET ×1	150.2
BXMB250F-S36-01D	0	36	DeviceNET ×1	170.6
BXMB250F-01F	0	0	ProfiNET ×1	45.2
BXMB250F-P0610-01F	6	0	ProfiNET ×1	65.6
BXMB250F-P1210-01F	12	0	ProfiNET ×1	86
BXMB250F-P0610-S06-01F	6	6	ProfiNET ×1	86
BXMB250F-S12-01F	0	12	ProfiNET ×1	86
BXMB250F-P1810-01F	18	0	ProfiNET ×1	106.4
BXMB250F-P0610-S12-01F	6	12	ProfiNET ×1	106.4
BXMB250F-P1210-S06-01F	12	6	ProfiNET ×1	106.4
BXMB250F-S24-01F	0	24	ProfiNET ×1	126.8
BXMB250F-P1210-S12-01F	12	12	ProfiNET×1	126.8
BXMB250F-S30-01F	0	30	ProfiNET ×1	150.2
BXMB250F-S36-01F	0	36	ProfiNET ×1	170.6
BXMB250F-P0610-S12-01K	6	12	CC-LINK ×1	106.4
BXMB250F-P1210-S06-01K	12	6	CC-LINK ×1	106.4
BXMB250F-S24-01K	0	24	CC-LINK ×1	126.8
BXMB250F-P1210-S12-01K	12	12	CC-LINK ×1	126.8
BXMB250F-S30-01K	0	30	CC-LINK ×1	150.2
BXMB250F-S36-01K	0	36	CC-LINK ×1	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. Power 10A and signal rings number can be with flexible module configuration on customer's request. Please contact customer service for more various industrial bus configuration.

Web: www.orbinexus.com Email: Info@orbinexus.com

Mechanical Data

Project	Numerical value
Working Life	See product quality level table
Rotating Speed	See product quality level table
Working temperature	-30℃~80℃
Operating Humidity	0~85% RH
Contact Material	See product quality level table
Housing Materia	aluminum alloy
Torque	0.1N.m； +0.03N.m/6 rings
Protection Grade	IP51

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wire	AWG16#Teflon	AWG22#Teflon or bus cable
Lead Length	standard length 300mm（adjustable）	
Insulating Strength	500VAC@50Hz，60s	
Electrical Noise	<0.01Ω	

Product Quality Level Table

Quality Level Code	Max Rotating Speed	Working Life	Contact Material
VC （Common Version）	200RPM	15 Million Revs	Precious Metal
VD （Industrial Version）	600RPM	80 Million Revs	Gold-Gold
VH （high-end version）	1000RPM	150 Million Revs	Aluminum Alloy

Lead Wires Color Code

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

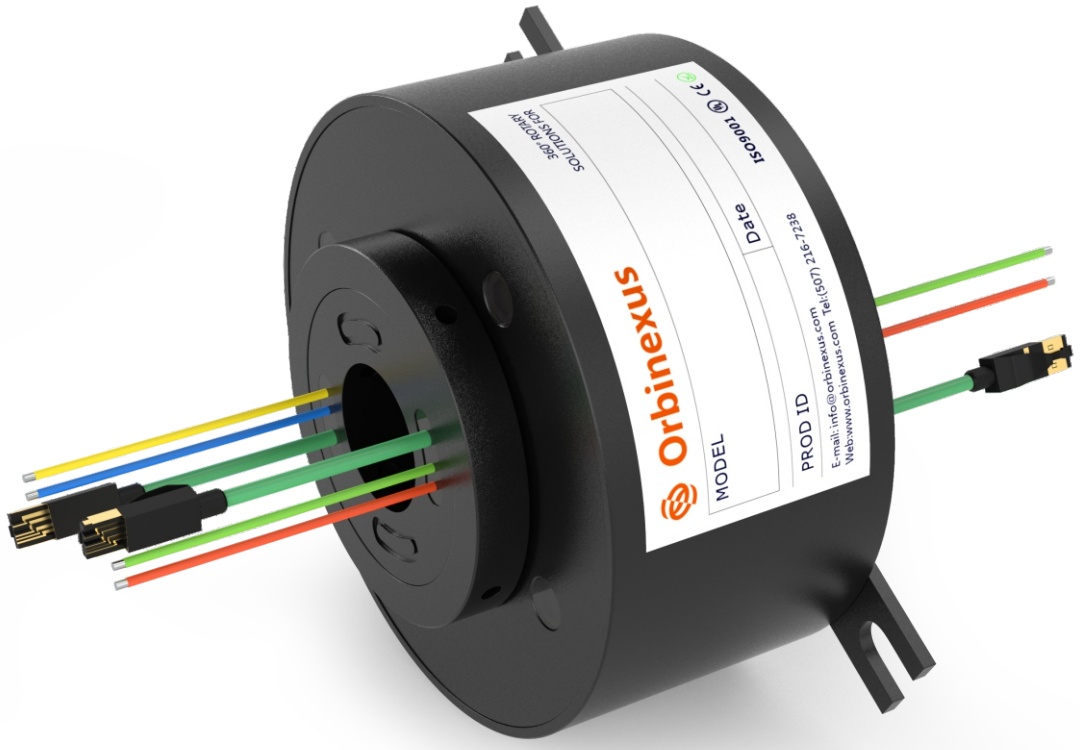
Technical support : Info@orbinexus.com

BXMB380 SERIES

Industry Bus Slip Rings(high speed transmission)

BXMB380 series is our standard series integral and precise industry bus slip ring , with bore size 38.1mm (suitable for <=38.1mm), can support Profibus, EtherCAT,CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, etc.
Note: If required through bore<38.1mm,this can be solved by adding a sleeve inside the bore.

Product images



The pictures are for reference only

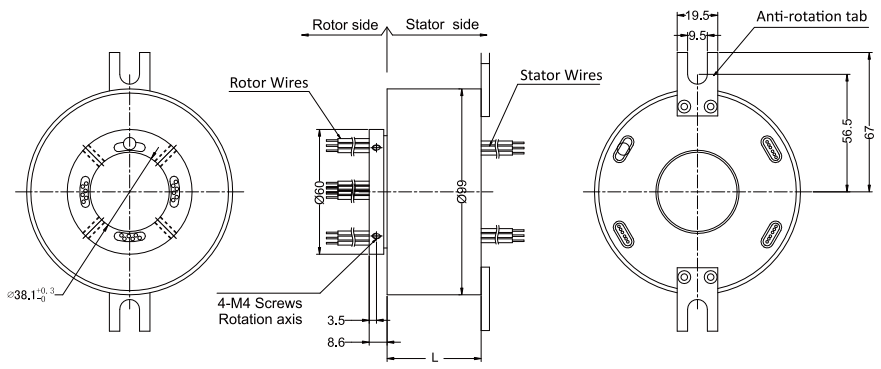
If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation

BX MB 380-P 0610-S 06-02P-VC

- BX: Series code
- MB: Industry bus slip ring
- 380: ID 38.1mm
- P:Power ring
- 0610:6 rings, each(0~10A)
- S: Signal ring
- 06: 6 Rings (each 0~5A)
- 02: 2 Channels Industry Bus
- P:Bus types; P=Profibus, E=EtherCAT, C=CANBUS, N=CANOPEN D=DeviceNet, K=CC-LINK, F=ProfiNET, X=Others
- Product quality level VC-common quality version VD-industrial quality version Default=VC

Dimensions



BXMB380 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB380-01P	0	0	Profibus x 1	51.2
BXMB380-P0610-01P	6	0	Profibus x 1	74
BXMB380-P1210-01P	12	0	Profibus x 1	96.8
BXMB380-P0610-S06-01P	6	6	Profibus x 1	96.8
BXMB380-S12-01P	0	12	Profibus x 1	96.8
BXMB380-P1810-01P	18	0	Profibus x 1	119.6
BXMB380-P0610-S12-01P	6	12	Profibus x 1	119.6
BXMB380-P0610-S06-01P	12	6	Profibus x 1	119.6
BXMB380-S24-01P	0	24	Profibus x 1	142.4
BXMB380-P1210-S12-01P	12	12	Profibus x 1	142.4
BXMB380-S30-01P	0	30	Profibus x 1	169.2
BXMB380-S36-01P	0	36	Profibus x 1	192
BXMB380-01C	0	0	CANBUS x 1	51.2
BXMB380-P0610-01C	6	0	CANBUS x 1	74

Web: www.orbinexus.com Email: Info@orbinexus.com

BXMB380 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB380-P1210-01C	12	0	CANBUS x 1	96.8
BXMB380-P0610-S06-01C	6	6	CANBUS x 1	96.8
BXMB380-S12-01C	0	12	CANBUS x 1	96.8
BXMB380-P1810-01C	18	0	CANBUS x 1	119.6
BXMB380-P0610-S12-01C	6	12	CANBUS x 1	119.6
BXMB380-P1210-S06-01C	12	6	CANBUS x 1	119.6
BXMB380-S24-01C	0	0	CANBUS x 1	142.4
BXMB380-P1210-S12-01C	12	12	CANBUS x 1	142.4
BXMB380-S30-01C	0	30	CANBUS x 1	169.2
BXMB380-S36-01C	0	36	CANBUS x 1	192
BXMB380-01N	0	0	CANOPEN x 1	51.2
BXMB380-P0610-01N	6	0	CANOPEN x 1	74
BXMB380-P1210-01N	12	0	CANOPEN x 1	96.8
BXMB380-P0610-S06-01N	6	6	CANOPEN x 1	96.8
BXMB380-S12-01N	0	12	CANOPEN x 1	96.8
BXMB380-P1810-01N	18	0	CANOPEN x 1	119.6
BXMB380-P0610-S12-01N	6	12	CANOPEN x 1	119.6
BXMB380-P1210-S06-01N	12	6	CANOPEN x 1	119.6
BXMB380-S24-01N	0	24	CANOPEN x 1	142.4
BXMB380-P1210-S12-01N	12	12	CANOPEN x 1	142.4
BXMB380-S30-01N	0	30	CANOPEN x 1	169.2
BXMB380-S36-01N	0	36	CANOPEN x 1	192
BXMB380-01K	0	0	CC-LINK x 1	51.2
BXMB380-P0610-01K	6	0	CC-LINK x 1	74
BXMB380-P1210-01K	12	0	CC-LINK x 1	96.8
BXMB380-P0610-S06-01K	6	6	CC-LINK x 1	96.8
BXMB380-S12-01K	0	12	CC-LINK x 1	96.8
BXMB380-P1810-01K	18	0	CC-LINK x 1	119.6
BXMB380-01E	0	0	EtherCAT x 1	51.2
BXMB380-P0610-01E	6	0	EtherCAT x 1	74
BXMB380-P1210-01E	12	0	EtherCAT x 1	96.8
BXMB380-P0610-S06-01E	6	6	EtherCAT x 1	96.8
BXMB380-S12-01E	0	12	EtherCAT x 1	96.8
BXMB380-P1810-01E	18	0	EtherCAT x 1	119.6
BXMB380-P0610-S12-01E	6	12	EtherCAT x 1	119.6
BXMB380-P1210-01E	12	6	EtherCAT x 1	119.6
BXMB380-S24-01E	0	24	EtherCAT x 1	142.4
BXMB380-P1210-S12-01E	12	12	EtherCAT x 1	142.4
BXMB380-S30-01E	0	30	EtherCAT x 1	169.2

BXMB380 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB380-S36-01E	0	36	EtherCAT x 1	192
BXMB380-01D	0	0	DeviceNET x 1	51.2
BXMB380-P0610-01D	6	0	DeviceNET x 1	74
BXMB380-P1210-01D	12	0	DeviceNET x 1	96.8
BXMB380-P0610-S06-01D	6	6	DeviceNET x 1	96.8
BXMB380-S12-01D	0	12	DeviceNET x 1	96.8
BXMB380-P1810-01D	18	0	DeviceNET x 1	119.6
BXMB380-P0610-S12-01D	6	12	DeviceNET x 1	119.6
BXMB380-P1210-S06-01D	12	6	DeviceNET x 1	119.6
BXMB380-S24-01D	0	0	DeviceNET x 1	142.4
BXMB380-P1210-S12-01D	12	12	DeviceNET x 1	142.4
BXMB380-S30-01D	0	30	DeviceNET x 1	169.2
BXMB380-S36-01D	0	36	DeviceNET x 1	192
BXMB380-01F	0	0	ProfiNET x 1	51.2
BXMB380-P0610-01F	6	0	ProfiNET x 1	74
BXMB380-P1210-01F	12	0	ProfiNET x 1	96.8
BXMB380-P0610-S06-01F	6	6	ProfiNET x 1	96.8
BXMB380-S12-01F	0	12	ProfiNET x 1	96.8
BXMB380-P1810-01F	18	0	ProfiNET x 1	119.6
BXMB380-P0610-S12-01F	6	12	ProfiNET x 1	119.6
BXMB380-P1210-S06-01F	12	6	ProfiNET x 1	119.6
BXMB380-S24-01F	0	24	ProfiNET x 1	142.4
BXMB380-P1210-S12-01F	12	12	ProfiNET x 1	142.4
BXMB380-S30-01F	0	30	ProfiNET x 1	169.2
BXMB380-S36-01F	0	36	ProfiNET x 1	192
BXMB380-P0610-S12-01K	6	12	CC-LINK x 1	119.6
BXMB380-P1210-S06-01K	12	6	CC-LINK x 1	119.6
BXMB380-S24-01K	0	24	CC-LINK x 1	142.4
BXMB380-P1210-S12-01K	12	12	CC-LINK x 1	142.4
BXMB380-S30-01K	0	30	CC-LINK x 1	169.2
BXMB380-S36-01K	0	36	CC-LINK x 1	192

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. Power 10A and signal rings number can be with flexible module configuration on customer's request. Please contact customer service for more various industrial bus configuration.

Web: www.orbinexus.com Email: Info@orbinexus.com

Mechanical Data

Project	Numerical value
Working Life	See product quality level table
Rotating Speed	See product quality level table
Working temperature	-30℃~80℃
Operating Humidity	0~85% RH
Contact Material	See product quality level table
Housing Materia	aluminum alloy
Torque	0.1N.m； +0.03N.m/6 rings
Protection Grade	IP51

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wire	AWG16#Teflon	AWG22#Teflon or bus cable
Lead Length	standard length 300mm（adjustable）	
Insulating Strength	500VAC@50Hz，60s	
Electrical Noise	<0.01Ω	

Product Quality Level Table

Quality Level Code	Max Rotating Speed	Working Life	Contact Material
VC （Common Version）	200RPM	15 Million Revs	Precious Metal
VD （Industrial Version）	600RPM	80 Million Revs	Gold-Gold
VH （high-end version）	1000RPM	150 Million Revs	Aluminum Alloy

Lead Wires Color Code

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

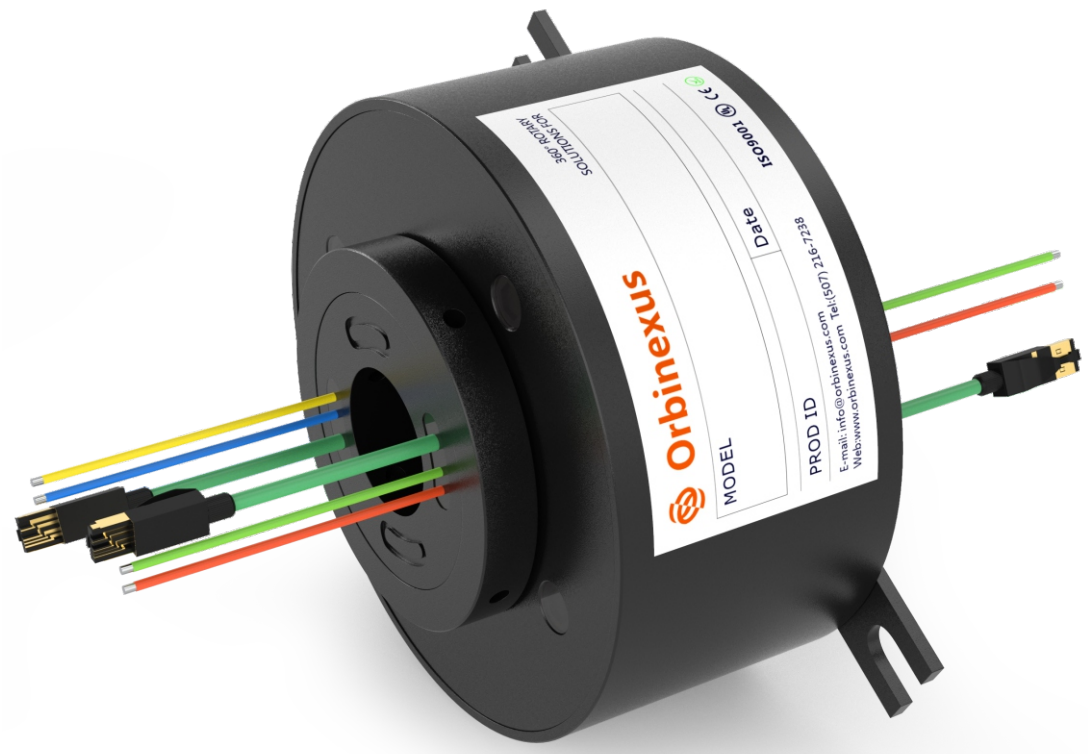
Technical support : Info@orbinexus.com

BXMB500 SERIES

Industry Bus Slip Rings(high speed transmission)

BXMB500 series is our standard series integral and precise industry bus slip ring , with bore size 50mm (suitable for <=50mm), can support Profibus, EtherCAT,CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, etc.
Note: If required through bore<50mm,this can be solved by adding a sleeve inside the bore.

Product images



The pictures are for reference only

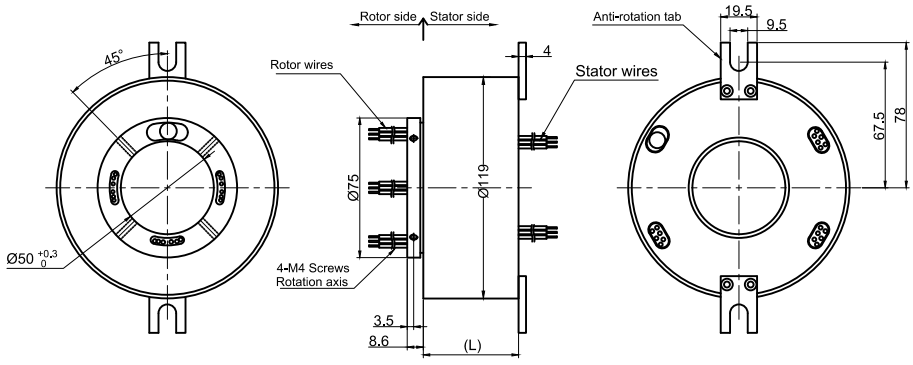
If there are changes in the appearance and size of the product, the actual product should prevail.

Part# Explanation

BX MB 500-P 0610-S 06-02P-VC

- BX: Series code
- MB: Industry bus slip ring
- 500: ID 50mm
- P:Power ring
- 0610:6 rings, each(0~10A)
- S: Signal ring
- 06: 6 Rings (each 0~5A)
- 02: 2 Channels Industry Bus
- P:Bus types; P=Profibus, E=EtherCAT, C=CANBUS, N=CANOPEN D=DeviceNet, K=CC-LINK, F=ProfiNET, X=Others
- Product quality level VC-common quality version VD-industrial quality version Default=VC

Dimensions



BXMB500 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB500-01P	0	0	Profibus ×1	51.2
BXMB500-P0610-01P	6	0	Profibus ×1	74
BXMB500-P1210-01P	12	0	Profibus ×1	96.8
BXMB500-P0610-S06-01P	6	6	Profibus ×1	96.8
BXMB500-S12-01P	0	12	Profibus ×1	96.8
BXMB500-P1810-01P	18	0	Profibus ×1	119.6
BXMB500-P0610-S12-01P	6	12	Profibus ×1	119.6
BXMB500-P1210-S06-01P	12	6	Profibus ×1	119.6
BXMB500-S24-01P	0	24	Profibus ×1	142.4
BXMB500-P1210-S12-01P	12	12	Profibus ×1	142.4
BXMB500-S30-01P	0	30	Profibus ×1	165.2
BXMB500-S36-01P	0	36	Profibus ×1	192
BXMB500-01C	0	0	CANBUS ×1	51.2
BXMB500-P0610-01C	6	0	CANBUS ×1	74

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BXMB500 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB500-P1210-01C	12	0	CANBUS ×1	96.8
BXMB500-P0610-S06-01C	6	6	CANBUS ×1	96.8
BXMB500-S12-01C	0	12	CANBUS ×1	96.8
BXMB500-P1810-01C	18	0	CANBUS ×1	119.6
BXMB500-P0610-S12-01C	6	12	CANBUS ×1	119.6
BXMB500-P1210-S06-01C	12	6	CANBUS ×1	119.6
BXMB500-S24-01C	0	0	CANBUS ×1	142.4
BXMB500-P1210-S12-01C	12	12	CANBUS ×1	142.4
BXMB500-S30-01C	0	30	CANBUS ×1	165.2
BXMB500-S36-01C	0	36	CANBUS ×1	192
BXMB500-01N	0	0	CANOPEN ×1	51.2
BXMB500-P0610-01N	6	0	CANOPEN ×1	74
BXMB500-P1210-01N	12	0	CANOPEN ×1	96.8
BXMB500-P0610-S06-01N	6	6	CANOPEN ×1	96.8
BXMB500-S12-01N	0	12	CANOPEN ×1	96.8
BXMB500-P1810-01N	18	0	CANOPEN ×1	119.6
BXMB500-P0610-S12-01N	6	12	CANOPEN ×1	119.6
BXMB500-P1210-S06-01N	12	6	CANOPEN ×1	119.6
BXMB500-S24-01N	0	24	CANOPEN ×1	142.4
BXMB500-P1210-S12-01N	12	12	CANOPEN ×1	142.4
BXMB500-S30-01N	0	30	CANOPEN ×1	165.2
BXMB500-S36-01N	0	36	CANOPEN ×1	192
BXMB500-01K	0	0	CC-LINK ×1	51.2
BXMB500-P0610-01K	6	0	CC-LINK×1	74
BXMB500-P1210-01K	12	0	CC-LINK ×1	96.8
BXMB500-P0610-S06-01K	6	6	CC-LINK ×1	96.8
BXMB500-S12-01K	0	12	CC-LINK ×1	96.8
BXMB500-P1810-01K	18	0	CC-LINK ×1	119.6
BXMB500-01E	0	0	EtherCAT ×1	51.2
BXMB500-P0610-01E	6	0	EtherCAT ×1	74
BXMB500-P1210-01E	12	0	EtherCAT ×1	96.8
BXMB500-P0610-S06-01E	6	6	EtherCAT ×1	96.8
BXMB500-S12-01E	0	12	EtherCAT ×1	96.8
BXMB500-P1810-01E	18	0	EtherCAT ×1	119.6
BXMB500-P0610-S12-01E	6	12	EtherCAT ×1	119.6
BXMB500-P1210-S06-01E	12	6	EtherCAT ×1	119.6
BXMB500-S24-01E	0	24	EtherCAT ×1	142.4
BXMB500-P1210-S12-01E	12	12	EtherCAT ×1	142.4
BXMB500-S30-01E	0	30	EtherCAT ×1	165.2

BXMB500 Series Industry Bus Slip Rings Part List Table

Parts#	10A	Signal or 5A	Industrial Bus	Length(mm)
BXMB500-S36-01E	0	36	EtherCAT ×1	192
BXMB500-01D	0	0	DeviceNET ×1	51.2
BXMB500-P0610-01D	6	0	DeviceNET ×1	74
BXMB500-P1210-01D	12	0	DeviceNET ×1	96.8
BXMB500-P0610-S06-01D	6	6	DeviceNET ×1	96.8
BXMB500-S12-01D	0	12	DeviceNET ×1	96.8
BXMB500-P1810-01D	18	0	DeviceNET ×1	119.6
BXMB500-P0610-S12-01D	6	12	DeviceNET ×1	119.6
BXMB500-P1210-S06-01D	12	6	DeviceNET ×1	119.6
BXMB500-S24-01D	0	0	DeviceNET ×1	142.4
BXMB500-P1210-S12-01D	12	12	DeviceNET ×1	142.4
BXMB500-S30-01D	0	30	DeviceNET ×1	165.2
BXMB500-S36-01D	0	36	DeviceNET ×1	192
BXMB500-01F	0	0	ProfiNET ×1	51.2
BXMB500-P0610-01F	6	0	ProfiNET ×1	74
BXMB500-P1210-01F	12	0	ProfiNET ×1	96.8
BXMB500-P0610-S06-01F	6	6	ProfiNET ×1	96.8
BXMB500-S12-01F	0	12	ProfiNET ×1	96.8
BXMB500-P1810-01F	18	0	ProfiNET ×1	119.6
BXMB500-P0610-S12-01F	6	12	ProfiNET ×1	119.6
BXMB500-P1210-S06-01F	12	6	ProfiNET ×1	119.6
BXMB500-S24-01F	0	24	ProfiNET ×1	142.4
BXMB500-P1210-S12-01F	12	12	ProfiNET×1	142.4
BXMB500-S30-01F	0	30	ProfiNET ×1	165.2
BXMB500-S36-01F	0	36	ProfiNET ×1	192
BXMB500-P0610-S12-01K	6	12	CC-LINK ×1	119.6
BXMB500-P1210-S06-01K	12	6	CC-LINK ×1	119.6
BXMB500-S24-01K	0	24	CC-LINK ×1	142.4
BXMB500-P1210-S12-01K	12	12	CC-LINK ×1	142.4
BXMB500-S30-01K	0	30	CC-LINK ×1	165.2
BXMB500-S36-01K	0	36	CC-LINK ×1	192

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. Power 10A and signal rings number can be with flexible module configuration on customer's request. Please contact customer service for more various industrial bus configuration.

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Mechanical Data

Project	Numerical value
Working Life	See product quality level table
Rotating Speed	See product quality level table
Working temperature	-30℃~80℃
Operating Humidity	0~85% RH
Contact Material	See product quality level table
Housing Materia	aluminum alloy
Torque	0.1N.m； +0.03N.m/6 rings
Protection Grade	IP51

Electrical Data

Project	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wire	AWG16#Teflon	AWG22#Teflon or bus cable
Lead Length	standard length 300mm（adjustable）	
Insulating Strength	500VAC@50Hz，60s	
Electrical Noise	<0.01Ω	

Product Quality Level Table

Quality Level Code	Max Rotating Speed	Working Life	Contact Material
VC （Common Version）	200RPM	15 Million Revs	Precious Metal
VD （Industrial Version）	600RPM	80 Million Revs	Gold-Gold
VH （high-end version）	1000RPM	150 Million Revs	Aluminum Alloy

Lead Wires Color Code

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