

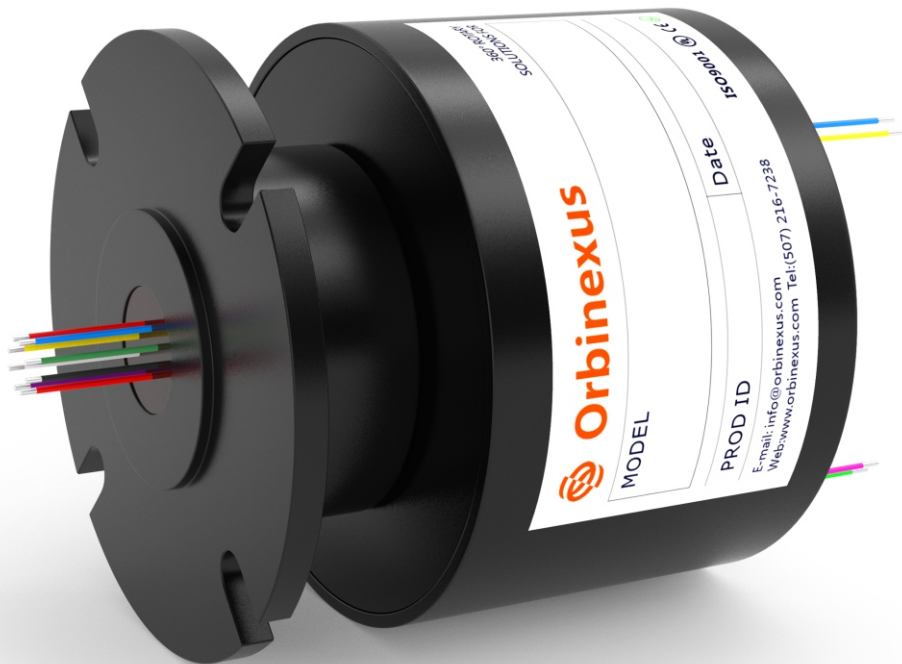
## BFZ056 SERIES SLIP RINGS

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BFZ056 series slip ring is a general name for those rotor flange slip rings with OD(outer diameter) 56mm. Rotor wiring method is flange end face wiring.

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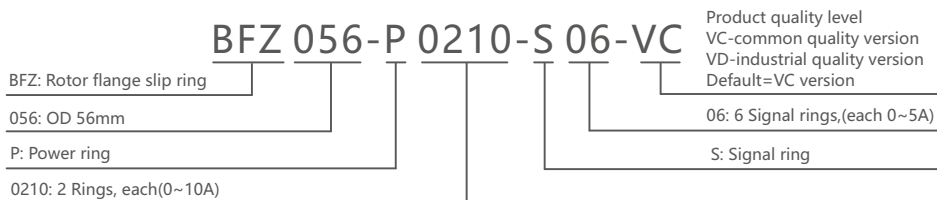
### Product images



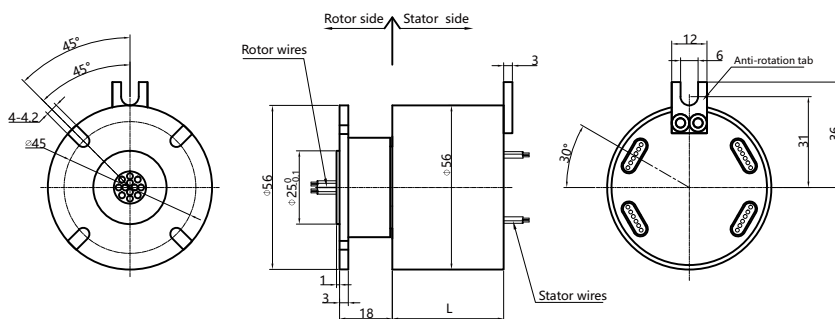
The pictures are for reference only

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

## Part# Explanation



## Dimensions



## BFZ056 series slip ring part# list

Parts#	10A	Signal 5A	Length(mm)
BFZ056-S02	0	2	26.8
BFZ056-P0210	2	0	26.8
BFZ056-S03	0	3	29.6
BFZ056-P0310	3	0	29.6
BFZ056-S06	0	6	38
BFZ056-P0210-S04	2	4	38
BFZ056-P0410-S02	4	2	38
BFZ056-P0610	6	0	38
BFZ056-S12	0	12	54.8
BFZ056-P0210-S10	2	10	54.8
BFZ056-P0310-S09	3	9	54.8
BFZ056-P0610-S06	6	6	54.8
BFZ056-P0810-S04	8	4	54.8
BFZ056-P1010-S02	10	2	54.8
BFZ056-P1210	12	0	54.8
BFZ056-S18	0	18	71.5
BFZ056-P0210-S16	2	16	71.5
BFZ056-P0410-S14	4	14	71.5

Parts#	10A	Signal 5A	Length(mm)
BFZ056-P0610-S12	6	12	71.5
BFZ056-P0810-S10	8	10	71.5
BFZ056-P1010-S08	10	8	71.5
BFZ056-P1210-S06	12	6	71.5
BFZ056-P1410-S04	14	4	71.5
BFZ056-P1610-S02	16	2	71.5
BFZ056-S24	0	24	88.4
BFZ056-P0410-S20	4	20	88.4
BFZ056-P0610-S18	6	18	88.4
BFZ056-P1210-S12	12	12	88.4
BFZ056-P1810-S06	18	6	88.4
BFZ056-P2410	24	0	88.4
BFZ056-S30	0	30	105.2
BFZ056-P0210-S28	2	28	105.2
BFZ056-P0410-S26	4	26	105.2
BFZ056-P0610-S24	6	24	105.2
BFZ056-S36	0	36	125
BFZ056-P0410-S32	4	32	125
BFZ056-P0610-S30	6	30	125
BFZ056-S42	0	42	158.6
BFZ056-P0410-S38	4	38	158.6
BFZ056-S48	0	48	158.6

Note: 1. N rings 10A in parallel can be used as 1 channel N\*10A. For example: 2 rings 10A in parallel can be used as 1 channel 20A  
 2. 10A,5A (signal) can combine freely in any way.It can be customized based on standard slip ring,please contact customer service for more detmails

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	15 Million Revs	Precious Metal
VD	600RPM	80 Million Revs	Gold-Gold

## 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	Aluminum alloy
Torque	0.1N.m; +0.03N.m/6rings
Protection Grade	IP51

## Electrical Data

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

## 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](mailto:Info@orbinexus.com)