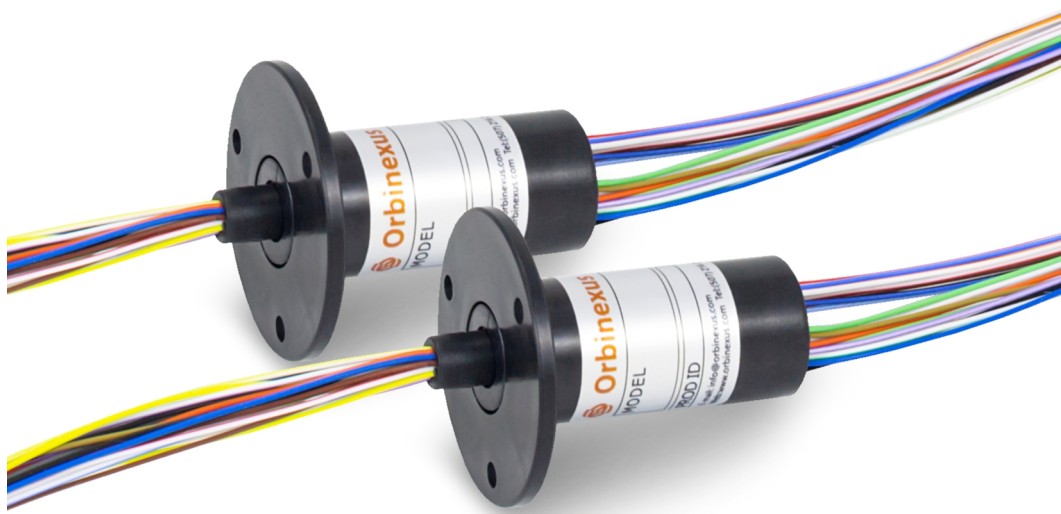


BBS397 MINIATURE CAPSULE SLIP RINGS

OD 15.5mm

BBS397 slip rings are small and compact with OD 15.5mm * L 34.1mm, standard, off-the-shelf. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring. BBS3979 is the high-end version corresponding to BBS397, It has higher performance and longer working life, higher speed rotating speed, low noise.

Product images



The pictures are for reference only

As the signal pathway increases or the combination of light and electricity results in changes in the appearance and size of the product, the actual product shall prevail.

Part# Explanation

BBS 397(9) - FL01

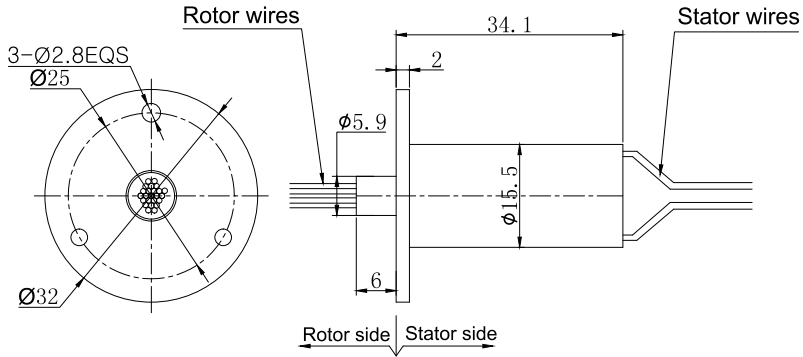
BBS:miniature capsule slip ring

397:common quality version
3979:high-end quality version

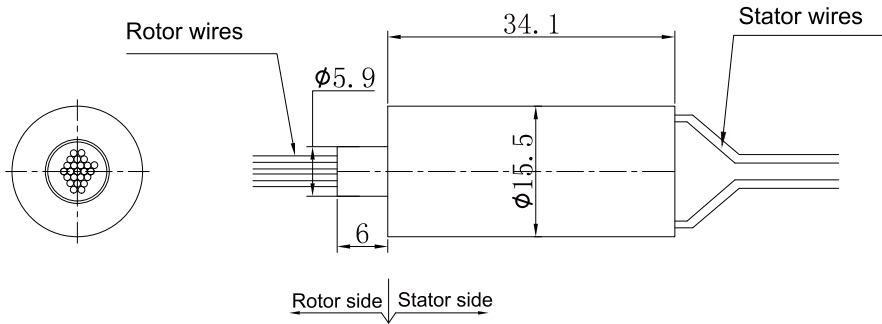
FL01: flange type

Dimensions

BBS397 Standard Model



BBS3979 Without Flange Model



Electrical Data

Parameter	Power Value	Signal Value
Rated Voltage	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥100MΩ/500VDC	≥100MΩ/500VDC
Lead Wires	AWG#30 teflon	AWG#28 teflon
Lead Length	Standard 300mm(adjustable)	
Electrical Noise	<0.01Ω	

Mechanical Data

Parameter	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	See Product Quality Level Table
Torque	0.005N.m; +0.02N.m/6rings
Protection Grade	IP51

BBS397 Series Parts# List

Part#	Signal/2A	Total Wires
BBS397	24	24

Note: N channels 1A rings parallel can be used as 1 channel N × 1A current. For Example: 2 rings 1A parallel could be used as 1 wires 2A ,please contact sales for special requirements

Product Quality Level Table

Part#	Max Speed	Working Life	Housing Material	Electrical Noise①@10RPM
BBS397	250RPM	>10 million	Plastics	10mΩ
BBS3979	1000RPM	>20 million	Plastics	4mΩ

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT	WHT RED	WHT BLK	WHT BLU

Ring	16	17	18	19	20	21	22	23	24
Color	WHT PURPLE	WHT BRN	WHT GRN	WHT ORN	WHT YEL	WHT GRA	BLK RED	BLK BLU	YEL GRN

Options for custom slip ring

- BBS3979 is the high-end version corresponding to BBS397.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.