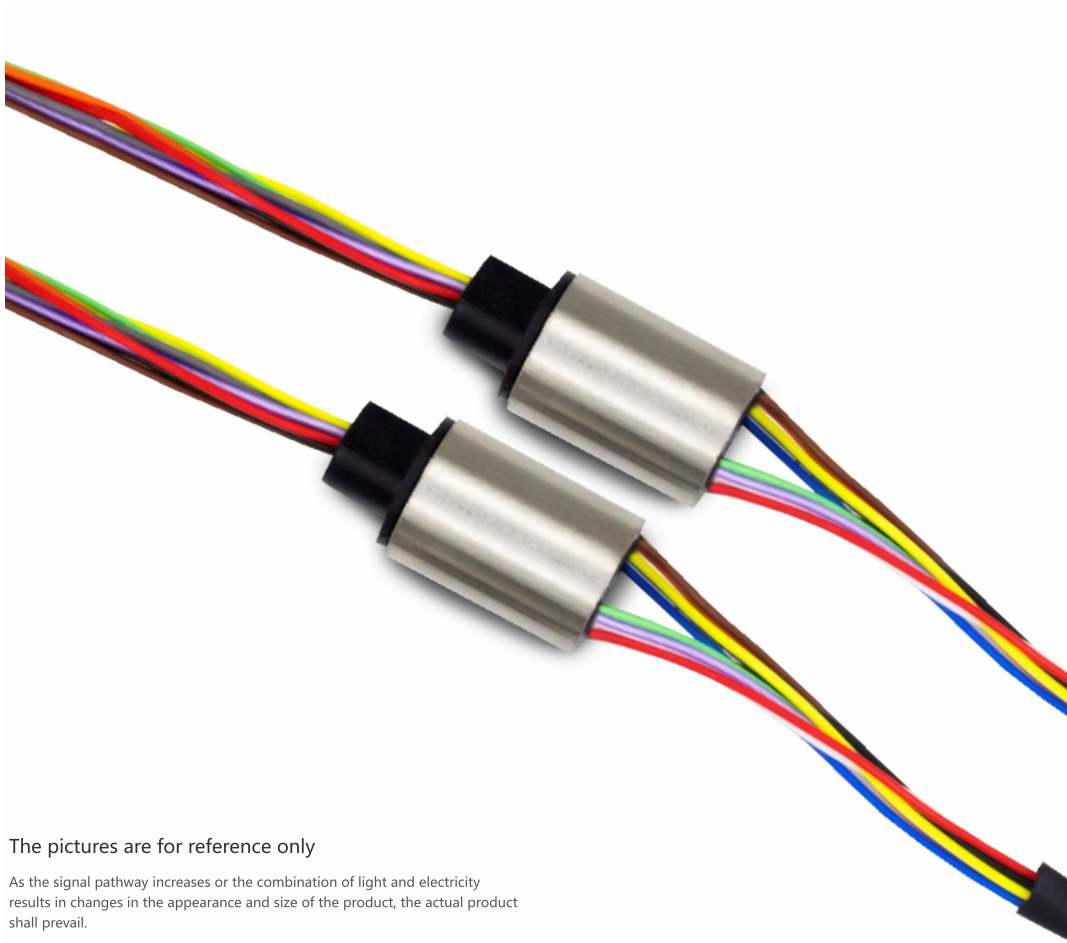


# BBS088 MINIATURE CAPSULE SLIP RINGS

## OD 6mm 4 Circuits, 1A Each circuit

BBS088 slip rings are small and compact with OD 6mm \* L 8.8mm, 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. BBS0889 is the high-end version corresponding to BBS088, 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.

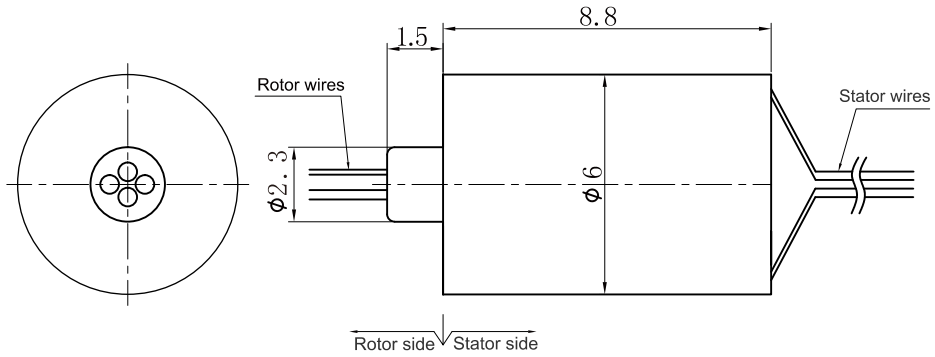
### Part# Explanation

**BBS 088(9)**

BBS:miniature capsule slip ring

088:common quality version  
0889:high-end quality version

## Dimensions



## Electrical Data

Parameter	Power Value	Signal Value
Rated Voltage	0~120VAC/VDC	0~120VAC/VDC
Insulation Resistance	$\geq 100M\Omega/150VDC$	$\geq 100M\Omega/150VDC$
Lead Wires	AWG#32 teflon	AWG#32 teflon
Lead Length	Standard 300mm(adjustable)	
Electrical Noise	$< 0.01\Omega$	

## 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

## BBS088 Series Parts# List

Part#	Signal/1A	Total Wires
BBS088-S02	2	2
BBS088-S04	4	4

Note: N channels 1A rings parallel can be used as 1 channel  $N \times 1A$  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 Noise <sup>①</sup> @10RPM
BBS088	250RPM	>10 million	Plastics	10m $\Omega$
BBS0889	1000RPM	>20 million	Plastics	4m $\Omega$

## Lead Wires Color Code

Ring	1	2	3	4
Color	BLK	RED	YEL	GRN

## Options for custom slip ring

- BBS0889 is the high-end version corresponding to BBS088.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.