

## BS573 CAPSULE SLIP RINGS

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BS573 slip rings are small and compact with OD 22mm \* L 57.3mm, with capsule style, 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.

BS5739 is the high-end version corresponding to BS573, It has higher performance and longer working life, higher speed rotating speed, low noise.

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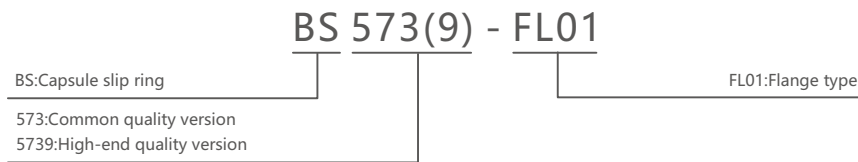
### Product images



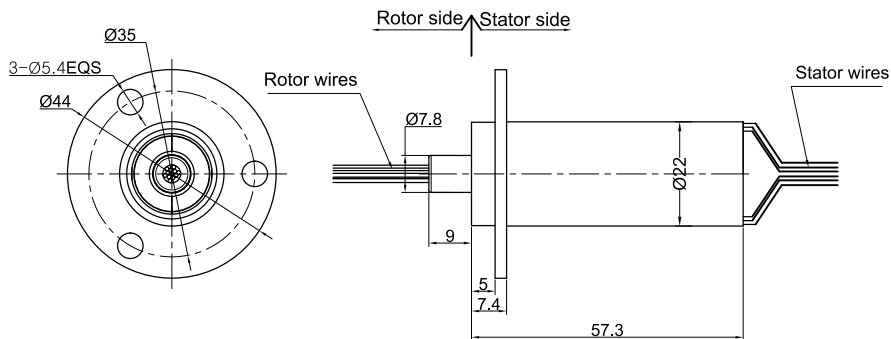
The pictures are for reference only

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

## Part# Explanation



## Dimensions



## BS573 Series Parts# List

Parts#	Signal/2A	4A	8A	15A	Total Wires
BS573	36	0	0	0	36

Note: N channels 2A rings parallel can be used as 1 channel  $N \times 2A$  current. For example: 2 rings 2A parallel could be used as 1 wires 4A ,please contact sales for special requirements

## Product Quality Level Table

Part#	Max Speed	Working Life	Tourque	Housing Material	Electrical Noise <sup>①</sup> @10RPM
BS400	250RPM	10 million	0.02 N·m	Plastics	10mΩ
BS4009	1000RPM	20 million	0.005 N·m	Metal	4mΩ

## Electrical Data

Project	Numerical value	Signal
Rated Voltage	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	$\geq 100M\Omega/500VDC$	$\geq 100M\Omega/500VDC$
Lead Wires	AWG28# teflon	AWG28# teflon
Lead Length	Standard 300mm(adjustable)	
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	See Product Quality Level Table
Torque	0.05N.m; +0.01N.m/6rings
Protection Grade	IP51

## Lead Wires Color Code

Ring	1/2	3/4	5/6	7/8	9/10	11/12	13/14	15/16	17/18	19/20
Color	RED	GRN	YEL	VLT	GRY	BLK	BLU	DB	BRN	ORN

Ring	21/22	23/24	25/26	27/28	29/30	31/32	33/34	35/36
Color	WHT	KHA	WHT RED	WHT BLK	WHT BLU	WHTVLT	WHT BRA	WHT GRN

## Options for custom slip ring

1. BS5739 is the high-end version corresponding to BS573.
2. Optional flange mounting.
3. Specified connectors and Heat-shrink tube.
4. Longer lead lengths available.
5. High temperature is optional.
6. Military Grade.