

BS400 CAPSULE SLIP RINGS

BS400 slip rings are small and compact with OD 22mm * L 43.6mm, 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.

BS4009 is the high-end version corresponding to BS400, It has higher performance and longer working life, higher speed rotating speed, low noise.

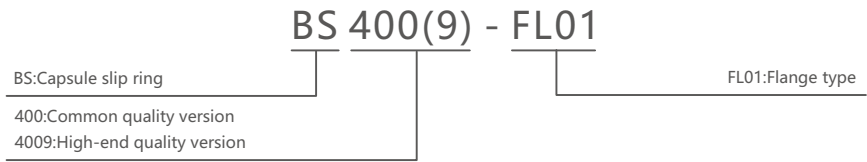
Product images



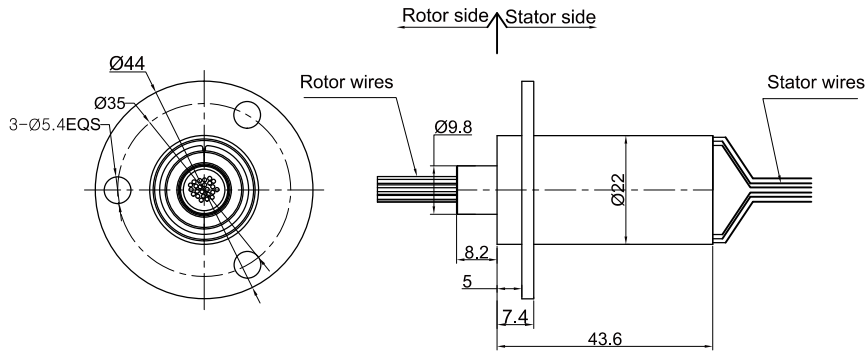
The pictures are for reference only

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

Part# Explanation



Dimensions



BS400 Series Parts# List

Parts#	Signal/2A	4A	8A	15A	Total Wires
BS400	24	0	0	0	24
BS400-P0304-S18	18	3	0	0	21
BS400-P0604-S12	12	6	0	0	18
BS400-P0804-S08	8	8	0	0	16
BS400-P0308-S08	8	0	3	2	11
BS400-P0408-S04	4	0	4	0	8
BS400-P0508	0	0	5	0	5
BS400-P0215-S06	6	0	0	2	8
BS400-P0315	0	0	0	3	3

Note: N channels 2A rings parallel can be used as 1 channel N × 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	Torque	Housing Material	Electrical Noise①@10RPM
BS400	250RPM	10 million	0.02 N·m	Plastics	10mΩ
BS4009	1000RPM	20 million	0.005 N·m	Metal	4mΩ

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	See Product Quality Level Table
Torque	0.05N.m; +0.01N.m/6rings
Protection Grade	IP51

Electrical Data

Project	Numerical value	Signal
Rated Voltage	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥100MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG28# teflon	AWG28# teflon
Lead Length	Standard 300mm(adjustable)	
Electrical Noise	<0.01Ω	

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10
Color	RED	GRN	YEL	VLT	GRY	BLK	BLU	DB	BRN	ORG

Ring	11	12	13	14	15	16	17	18
Color	WHT	KHA	WHT RED	WHT BLK	WHT BLU	WHT VLT	WHT BRN	WHT GRN

Options for custom slip ring

1. BS4009 is the high-end version corresponding to BS400.
2. Optional flange mounting.
3. Specified connectors and Heat-shrink tube.
4. Longer lead lengths available.
5. High temperature is optional.
6. Military Grade.