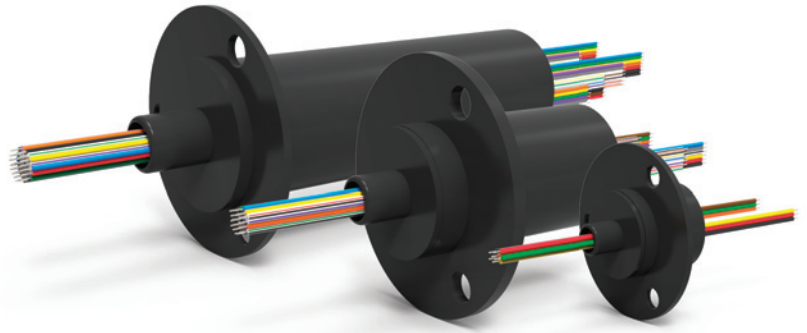


ES Series: Overview

- + High-Quality Gold-on-Gold Contacts
- + Compact Capsule Design
- + Splash Seals for Dust and Moisture
- + Low Torque Design
- + Suitable for Analog or Digital Signals
- + Low Electrical Noise
- + Precision Ball Bearings
- + Data Speeds Under 50 Megabits / Sec*
- + Compatible With a Range of Data Bus Protocols



The ES Series electrical slip ring is a rotating assembly used to transfer power, control circuits or data (analog / digital) from stationary inlets to rotating outlets.

Versatile and compact, the ES Series electrical slip rings feature a low torque design with gold-on-gold contacts and offer low electrical noise. The ES Series also includes flexible, color-coded lead wires suitable for transferring analog and digital signals. Standard models are available from 6 to 56 circuits.

SPECIFICATIONS	
Operating Speed (max.)	100 / 250 RPM Continuous**
Data Speed (max.)	Under 50 Mbps (non-Ethernet)*
Standard Circuit Options	6, 12, 18, 24, 36, 56
Voltage [AC/DC] (max.)	120 / 240***
Amps	2
Lead Gauge (AWG)	28, 26
Wire Material	Silver-Plated Copper
Electrical Noise (max.)	60 Milliohms
Contact Material	Gold
Temperature Range	-40° F to 176° F (-40° C to +80° C)

* In order to successfully transfer digital data signals, a variety of conditions must be met. Please consult with DSTI for approval. For the most reliable transfer of digital data signals, see our Ethernet slip ring options.

** The max operating speed for models ES6A & ES12A is 100 RPM

*** Voltage for ES6A & ES12A is 120



PRODUCT DOWNLOADS

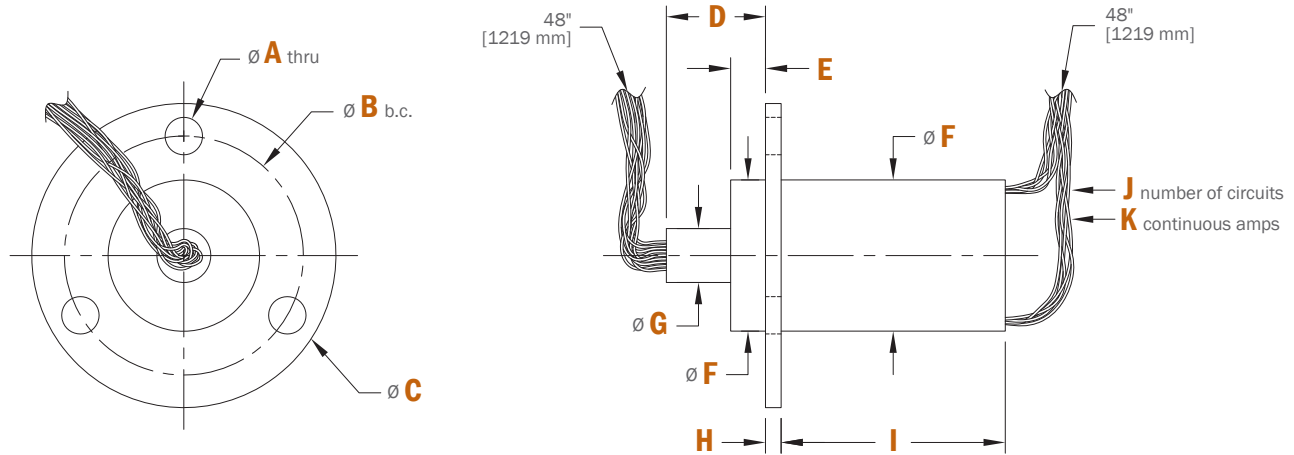
For Catalogs, Brochures, Models and Drawings visit www.dsti.com/downloads



DID YOU KNOW?

DSTI slip rings can be purchased online at store.dsti.com

ES Series: Dimensions



	ES6A	ES6	ES12A	ES12
A	.129" [3.28mm]	.215" [5.50mm]	.129" [3.28mm]	.215" [5.50mm]
B	.725" [18.42mm]	1.375" [34.93mm]	.725" [18.42mm]	1.375" [34.93mm]
C	.95" [24.13mm]	1.75" [44.45mm]	.95" [24.13mm]	1.75" [44.45mm]
D	.47" [11.94mm]	.57" [14.48mm]	.47" [11.94mm]	.57" [14.48mm]
E	.20" [5.08mm]	.20" [5.08mm]	.20" [5.08mm]	.20" [5.08mm]
F	.50" [12.70mm]	.87" [22.10mm]	.50" [12.70mm]	.87" [22.10mm]
G	.19" [4.83mm]	.31" [7.87mm]	.19" [4.83mm]	.31" [7.87mm]
H	.04" [1.02mm]	.09" [2.36mm]	.04" [1.02mm]	.09" [2.36mm]
I	.34" [8.64mm]	.48" [12.19mm]	.59" [14.99mm]	.75" [19.05mm]
J	6 Circuits	6 Circuits	12 Circuits	12 Circuits
K	2 Amps	2 Amps	2 Amps	2 Amps

	ES18	ES24	ES36	ES56
A	.215" [5.50mm]	.215" [5.50mm]	.220" [5.60mm]	.220" [5.60mm]
B	1.375" [34.93mm]	1.375" [34.93mm]	1.410" [35.81mm]	1.410" [35.81mm]
C	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]
D	.57" [14.48mm]	.57" [14.48mm]	.48" [12.19mm]	.48" [12.19mm]
E	.20" [5.08mm]	.20" [5.08mm]	.11" [2.80mm]	.11" [2.80mm]
F	.87" [22.10mm]	.87" [22.10mm]	1.00" [25.40mm]	1.00" [25.40mm]
G	.31" [7.87mm]	.31" [7.87mm]	.38" [9.53mm]	.38" [9.53mm]
H	.09" [2.36mm]	.09" [2.36mm]	.06" [1.50mm]	.06" [1.50mm]
I	1.02" [25.91mm]	1.29" [32.77mm]	2.06" [75.30mm]	2.96" [75.30mm]
J	18 Circuits	24 Circuits	36 Circuits	56 Circuits
K	2 Amps	2 Amps	2 Amps	2 Amps

Wiring Color Codes: ES Series

ES6		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	

ES6A		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	

ES12		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	

ES12A		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	

ES18		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	

Wiring Color Codes: ES Series

ES24			ES36			ES56		
Tag #	Color	Description/Awg	Tag #	Color	Description/Awg	Tag #	Color	Description/Awg
1	BLK	2A/28	1	BLK	2A/26	1	BLK	2A/26
2	BRN							
3	RED							
4	ORN							
5	YEL							
6	GRN							
7	BLU							
8	VIO							
9	GRY							
10	WHT							
11	WHT-BLK							
12	WHT-BRN							
13	WHT-RED							
14	WHT-ORN							
15	WHT-YEL							
16	WHT-GRN							
17	WHT-BLU							
18	WHT-VIO							
19	WHT-GRY							
20	WHT-BLK-BRN							
21	WHT-BLK-RED							
22	WHT-BLK-ORN							
23	WHT-BLK-YEL							
24	WHT-BLK-GRN							
25	BLK	2A/26	20	BRN	2A/26	37	BLK	2A/26
26	BRN							
27	RED							
28	ORN							
29	YEL							
30	GRN							
31	BLU							
32	VIO							
33	GRY							
34	WHT							
35	WHT-BLK							
36	WHT-BRN							
37	BLK							
38	BRN							
39	RED							
40	ORN							
41	YEL							
42	GRN							
43	BLU							
44	VIO							
45	GRY							
46	WHT							
47	WHT-BLK							
48	WHT-BRN							
49	WHT-RED							
50	WHT-ORN							
51	WHT-YEL							
52	WHT-GRN							
53	WHT-BLU							
54	WHT-VIO							
55	BLK							
56	BRN							

