

## ESM SERIES

## ESM 系列

## 系列說明總覽

- + 高黃金品質的金觸點
- + 傳輸類比和數位訊號
- + 低電子雜訊
- + 精密滾珠軸承
- + 數據速度高達50兆位/秒\*
- + 與數據總線協議的範圍相容



## Specifications 規範

ESM系列電子滑環是一個旋轉組件用來傳輸電力以從固定入口或旋轉出口來控制電流或數據(類比/數位)。

ESM系列電子滑環包含適用於類比和數位訊號的彈性的彩色編碼引線。利用高效能金觸點，ESM系列展現出低電子雜訊同時支援數據傳輸速度高達50兆位/秒。\* 標準規格有9、15、24、32、44和52迴路。

最高旋轉速度	持續旋轉250rpm
標準迴路選項	9, 15, 24, 32, 44, 52
電壓	240
安培 / 迴路	2 / 5 / 10
導程 / 尺寸類型	26/20/16 規格 鍍銀/錫銅, 特氟龍
接點材質	黃金
溫度範圍	-40°F 到 176°F (-40°C 到 +80°C)

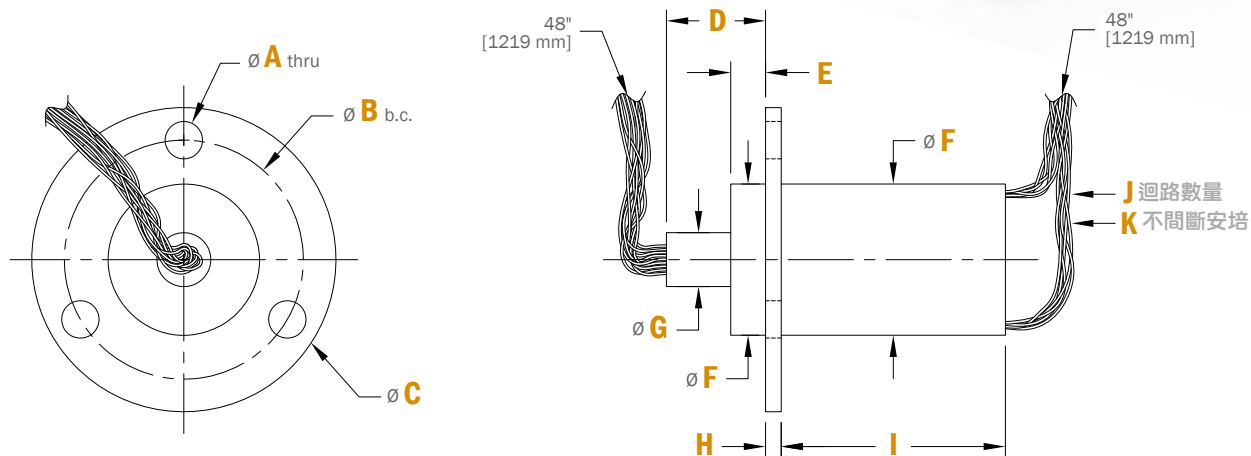
\* 更高速數據傳輸請見我們ESE & ESET系列滑環

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## Dimensions 尺寸



	ESM36	ESM312	ESM420	ESM428
A	.215" [5.50mm]	.215" [5.50mm]	.220" [5.60mm]	.220" [5.60mm]
B	1.375" [34.93mm]	1.375" [34.93mm]	1.410" [35.80mm]	1.410" [35.80mm]
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]	.20" [5.08mm]	.20" [5.08mm]
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	1.28" [32.56mm]	1.28" [32.56mm]	2.06" [52.40mm]	2.06" [52.40mm]
J	9 Circuits	15 Circuits	24 Circuits	32 Circuits
K	(3x) 10 Amps (6x) 2 Amps	(3x) 5 Amps (12x) 2 Amps	(4x) 10 Amps (20x) 2 Amps	(4x) 5 Amps (28x) 2 Amps

	ESM440	ESM448
A	.220" [5.60mm]	.220" [5.60mm]
B	1.410" [35.80mm]	1.410" [35.80mm]
C	1.75" [44.45mm]	1.75" [44.45mm]
D	.48" [12.19mm]	.48" [12.19mm]
E	.20" [5.08mm]	.20" [5.08mm]
F	1.00" [25.40mm]	1.00" [25.40mm]
G	.38" [9.53mm]	.38" [9.53mm]
H	.06" [1.50mm]	.06" [1.50mm]
I	2.96" [75.30mm]	2.96" [75.30mm]
J	44 Circuits	52 Circuits
K	(4x) 10 Amps (40x) 2 Amps	(4x) 5 Amps (48x) 2 Amps

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## 電控線的顏色編碼

ESM36			ESM312			ESM428			ESM428				
Tag #	Color	Description/Awg	Tag #	Color	Description/Awg	Tag #	Color	Description/Awg	Tag #	Color	Description/Awg		
1	BLK	10A/16	1	BLK	10A/16	1	BLK	2A/26	1	BLK	2A/26		
2	BLK		2	BLK		2	BRN		2	BRN			
3	BLK		3	BLK		3	RED		3	RED			
4	BLK	2A/26	4	BLK	2A/26	4	ORN		4	ORN		4	ORN
5	BRN		5	BRN		5	YEL		5	YEL		5	YEL
6	RED		6	RED		6	GRN		6	GRN		6	GRN
7	ORN		7	ORN		7	BLU		7	BLU		7	BLU
8	YEL		8	YEL		8	VIO		8	VIO		8	VIO
9	GRN		9	GRN		9	GRY		9	GRY		9	GRY
				10		BLU			10	WHT		10	WHT
			11	VIO		11	WHT-BLK		11	WHT-BLK		11	WHT-BLK
			12	GRY		12	WHT-BRN		12	WHT-BRN		12	WHT-BRN
			13	WHT		13	WHT-RED		13	WHT-RED		13	WHT-RED
			14	WHT-BLK		14	WHT-ORN		14	WHT-ORN		14	WHT-ORN
			15	WHT-BRN		15	WHT-YEL		15	WHT-YEL		15	WHT-YEL
						16	WHT-GRN		16	WHT-GRN		16	WHT-GRN
						17	WHT-BLU		17	WHT-BLU		17	WHT-BLU
						18	WHT-VIO		18	WHT-VIO		18	WHT-VIO
						19	BLK		5A/20	19		BLK	10A/16
						20	BRN			20		BRN	
						21	RED			21		BLK	
						22	ORN			22		BLK	
						23	YEL			23		BLK	
						24	GRN			24		BLK	
						25	BLU						
						26	VIO						
						27	GRY						
						28	WHT						
						29	BLK						
						30	BLK						
						31	BLK						
						32	BLK						

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## 電控線的顏色編碼

ESM440		
Tag #	Color	Description/Awg
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	BLK	
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	BLU	
26	VIO	
27	GRY	
28	WHT	
29	WHT-BLK	
30	WHT-BRN	
31	WHT-RED	
32	WHT-ORN	
33	WHT-YEL	
34	WHT-GRN	
35	WHT-BLU	
36	WHT-VIO	

37	BLK	2A/26
38	BRN	
39	RED	
40	ORN	
41	BLK	10A/16
42	BLK	
43	BLK	
44	BLK	

ESM448		
Tag #	Color	Description/Awg
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	BLK	
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	BLU	
26	VIO	
27	GRY	
28	WHT	
29	WHT-BLK	
30	WHT-BRN	
31	WHT-RED	
32	WHT-ORN	
33	WHT-YEL	
34	WHT-GRN	
35	WHT-BLU	
36	WHT-VIO	

37	BLK	2A/26
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	BLK	5A/20
50	BLK	
51	BLK	
52	BLK	

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