

# SVTS F Series

## Flat Slip Rings



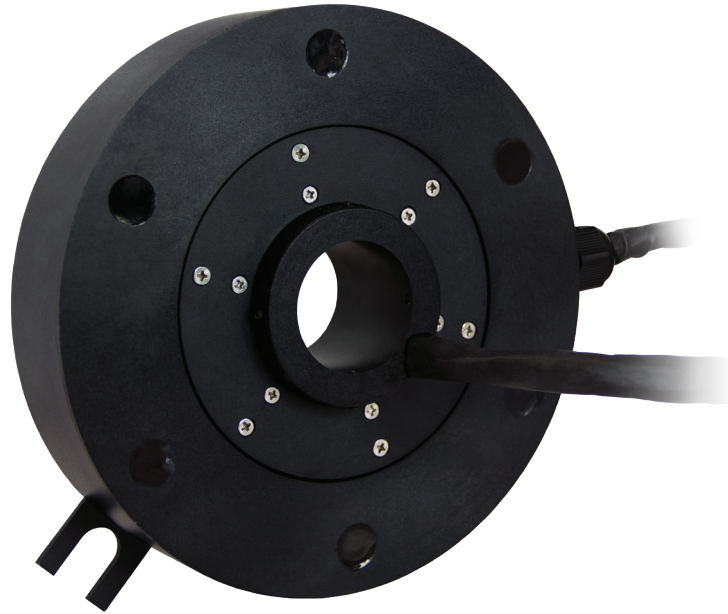
Long-life



Superflat



Power, signals & fieldbus



The flat F Series Slip Rings have a special design, that means these rotary joints have a height of only 45 mm ensuring up to 17 signal circuits and 3 power circuits up to 15 A.

These rotary joints are designed for applications where height is a critical factor, they provide performance similar to the C series from which they derive and are maintenance-free.

## Benefits

Flat design

Long-life

Transmission of electric power/signals and fieldbuses in one unit

Many customisations available

## Main applications

Revolving doors

Rotary tables

Robots










Medical equipments

Packaging

Cable reels

## Product code (go to page 9 for the detailed coding system)

SVTS F   -  -  -   /   -     /     -   -   

- F Series
-  Model
-  IP grade<sup>1</sup>
-  Flange type
-  Power circuits
-  Signal circuits
-  Cable length (brush side)
-  Cable length (ring side)
-  Temperature range<sup>2</sup>
-  Special options

<sup>1</sup> Only IP51 [S]  
<sup>2</sup> Only Standard [ST]

## Features

Current	5A: AWG22 10A: AWG16
Voltage	
Power	400 VAC / 400 VDC
Signals	240 VAC / 240 VDC
Cables	Tin plated (power circuits); PTFE insulated / colour coded
Cables length	Standard: 500mm; custom cable length increase possible as multiples of 500mm
Dielectric strength	
Power	1000 VAC @ 60Hz @ 60 sec
Signals	500 VAC @ 60Hz @ 60 sec
Insulation resistance	
Power	> 1000 MΩ / 500 VDC
Signals	> 500 MΩ / 500 VDC
Dynamic contact resistance	< 10 mΩ
Nominal speed	up to 100 rpm (others on request)
Bearings	Steel
Housing	Stainless steel
Temperature	-20°C / +80°C
Protection	IP51
Expected lifetime	10 <sup>8</sup> revolutions (depending on speed, environmental conditions and size)

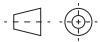
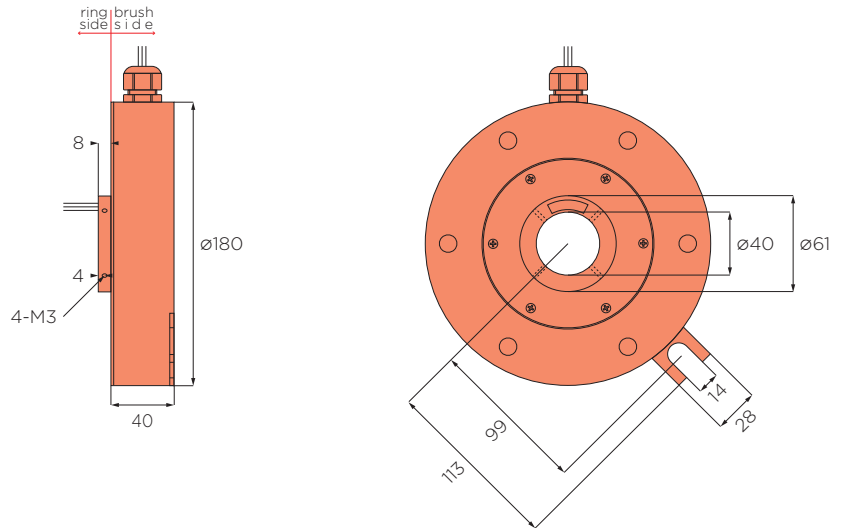
## Combinations

Electric	
Signals	
Power	

## Customizations

Cables	Flange	Materials
Treatments		

# SVTS F 01



Custom cable length increase possible as multiples of 500mm

Model	Number of circuits			Color code
	Total	Power	Signals	p.82
		10A	5A	
SVTS F 01-S-A-03/17	20	3	17	CC 10

All dimensions in millimeters, unless otherwise specified

# CC 10

Power	
Color	Shrink Tube ■ Ring no.
RD ●	1
YE ●	2
BK ●	3

Signal		
Color	Shrink Tube ■ Ring no.	Shrink Tube ■ Ring no.
RD ●	1	6
YE ●	2	7
BK ●	3	8
BU ●	4	9
GN ●	5	10
WH ○		11
VT ●		12
GY ●		13
BN ●		14
OG ●		15
DBU ●		16
KH ●		17

**Hello,**  
how can I help you?



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