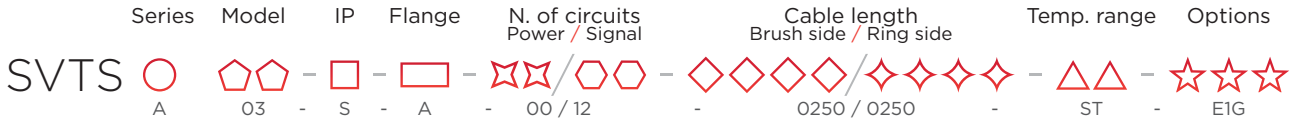
servotecnica

SLIP RINGS



Connecting dots. Providing solutions.

Part number



Series

A / Capsule Slip Rings
B / Faston Slip Rings
C / Through-Bore Slip Rings
D / Stainless Steel Slip Rings
E / Frameless Slip Rings
F / Flat Slip Rings

Model

01, 02, 03, ... / *See specific section*

IP grade

R / IP00
S / IP51
T / IP54
U / IP65

Flange

A / Standard
B, C, D, E, F / *See specific section*

Power circuits

See specific section for available multiples

Signal circuits

See specific section for available multiples

Cable length / Brush side

SVTS A /
Custom cable length increase possible as multiple of 250mm

SVTS B, C, D, E, F /
Custom cable length increase possible as multiple of 500mm

Cable length / Ring side

SVTS A /
Custom cable length increase possible as multiple of 250mm

SVTS B, C, D, E, F /
Custom cable length increase possible as multiple of 500mm

Temperature range

ST / -20°C +80°C

ET / -40°C +80°C

Special Options

SVTS A 03
001 / 4A circuits
002 / 8A circuits
003 / 10A circuits
004 / 20A circuits
E1M / 100 BaseT Ethernet
E1G / 1000 BaseT Ethernet

SVTS A 04
E1M / 100 BaseT Ethernet
E1G / 1000 BaseT Ethernet

SVTS A 06
Coax cable
01* / RG174
02* / RG316
03* / RG178
04* / RG179

Connectors
**1 / MMCX
**2 / SMA
**3 / SMB
**4 / MCX
**5 / BNC

SVTS C 05
E1M / 100 BaseT Ethernet
E1G / 1000 BaseT Ethernet
0P1 / 6mm air plastic passage
0P2 / 10mm air plastic passage

SVTS E 01
001 / 20A Circuits
002 / 40A Circuits

SVTS E 02
001 / 20A Circuits
002 / 40A Circuits

SVTS E 03
001 / 20A Circuits
002 / 40A Circuits
003 / 60A Circuits

SVTS E 04
001 / 20A Circuits
002 / 40A Circuits
003 / 60A Circuits

SVTS F Series

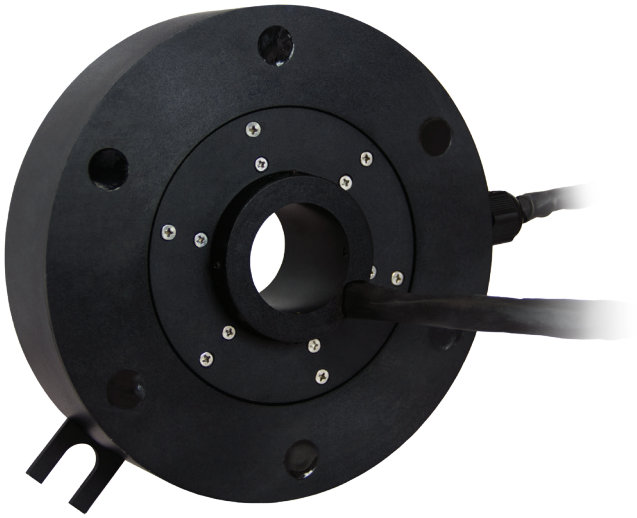
Flat Slip Rings

Contents

Model	In ⌀	Out ⌀	Page
SVTS F 01	40mm	180mm	66

F Series

Flat Slip Rings



SUPER FLAT

POWER, SIGNALS & FIELDBUS

LONG-LIFE

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	Medical equipments
Rotary tables	Packaging
Robots	Cable reels

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



F Series | Model | IP grade[1] | Flange type | Power circuits | Signal circuits

Cable length (brush side) | Cable length (ring side) | Temperature range[2] | Special options

[1] Only IP51 [S]
[2] Only Standard [ST]

Features

Nbr. of circuits	20 (more upon request)
Current	
Power	15A: AWG16
Signals	5A: AWG22
Voltage	400 VAC / 240 VDC
Cables	
Power	Tin plated / PVC insulated
Signals	Silver plated / PVC insulated
Cables length	500 mm standard (more lengths upon request)
Insulation resistance	
Power	> 1000 MΩ/500 VDC
Signals	> 500 MΩ/500 VDC
Nominal speed	250 rpm (higher speeds upon request)
Bearings	Steel
Housing	Aluminium
Temperature	-20°C to +80°C
Protection	IP51
Expected lifetime	10^8 revolutions (depending on speed, environmental conditions and size)

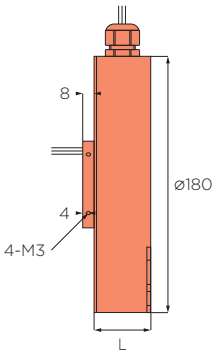
Combinations

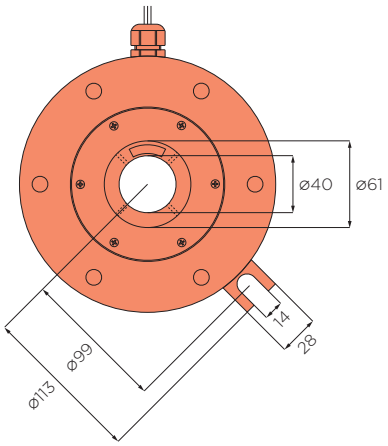
Electric
Signals
Power

Customizations

Cables	Flange	Materials
Treatments		

SVTS F 01





Custom cable length increase possible as multiples of 500mm

Model	Number of circuits			*L*
	Total	Power	Signals	
		10A	5A	
SVTS F 01-S-A-03/17	20	3	17	40

All dimensions in millimeters, unless otherwise specified

Notes

All dimensions in millimeters, unless otherwise specified

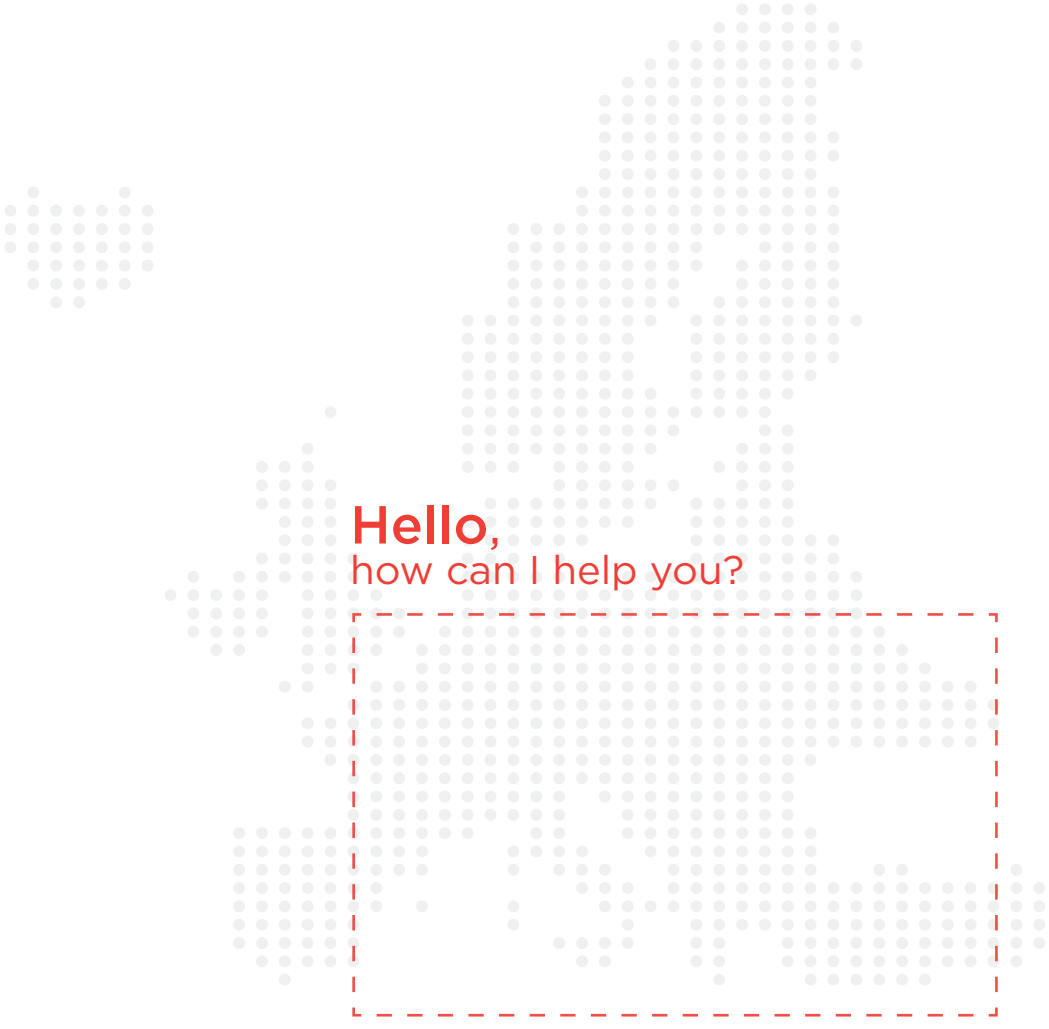
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Notes


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