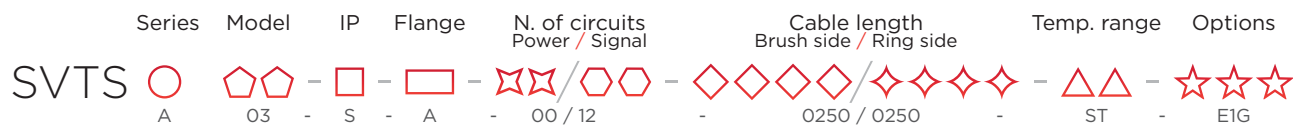


SLIP RINGS



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

IP grade

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

Power 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

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
- OP1 / 6mm air plastic passage
- OP2 / 10mm air plastic passage

SVTS E 01

- 001 / 20A Circuits
- 002 / 40A Circuits

SVTS E 03

- 001 / 20A Circuits
- 002 / 40A Circuits
- 003 / 60A Circuits

SVTS E 02

- 001 / 20A Circuits
- 002 / 40A Circuits

SVTS E 04

- 001 / 20A Circuits
- 002 / 40A Circuits
- 003 / 60A Circuits

Model

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

Flange

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

Signal circuits

See specific section for available multiples

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

SVTS D Series

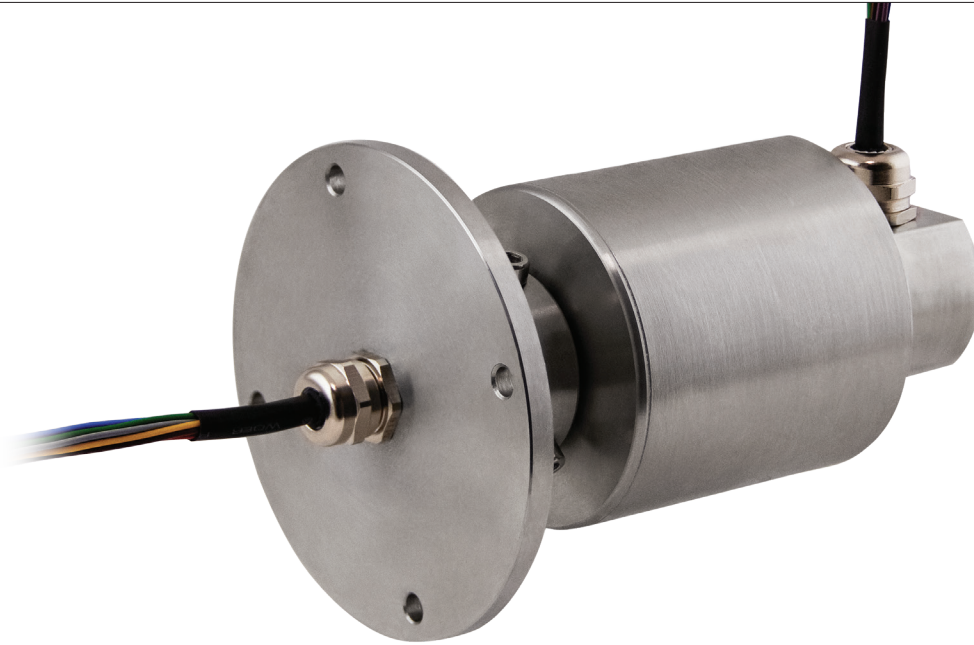
Rugged Slip Rings

Contents

Model	Out ø	Page
SVTS D 01	75mm	54
SVTS D 02	87mm	55

SVTS D Series

Rugged Slip Rings



ROBUST



IP 65



POWER, SIGNALS & FIELDBUS

The robust D Series Slip Rings have a stainless steel/aluminium housing and cable fittings on the slip ring inlet and outlet.

Particularly suitable for harsh environments where environmental conditions require sturdy objects and suitable materials for the food & beverage industry.

The use of fibre brush and gold-gold technology in the D series rotary joints, ensures a long life and high-quality signal transmission.

Benefits

Robust mechanical construction

Transmission of electric power/signals and fieldbuses in one unit

Water resistant IP65 (standard)

Many sizes

Many customisations

Combinable with fluidic rotary joints and FORJ

Main applications

Fillin & labelling machines

Capping machines

Converting machines

Automatic machines

Hose reels

Machine tools

Medical systems

Packaging

Printing machines









Process control

Robots

Rotary tables

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

SVTS D   -  -  -   /   -     /     -   -   

-  Series
-  Model
-  IP grade¹
-  Flange type
-  Power circuits
-  Signal circuits
-  Cable length (brush side)
-  Cable length (ring side)
-  Temperature range²
-  Special options

¹ Only IP65 [U]

² Standard [ST]; Extended [ET]

Features

Current	
Power	5A: AWG22 10A: AWG16 15A: AWG14
Signals	2A: AWG26
Voltage	400 VAC / 240 VDC
Cables	Tin plated (power); silver (signals) / PTFE insulated / colour coded
Cables length	Standard: 500mm; custom cable length increase possible as multiples of 500mm
Dialectic strength	500 VAC @ 50 Hz @ 60 sec
Insulation resistance	> 1000 MΩ / 500 VDC
Nominal speed	400 rpm (higher speeds upon request)
Dynamic contact resistance	< 0.01 Ω
Bearings	Steel
Housing	Stainless steel
Temperature	-20°C to +80°C (-40°C as option)
Protection	IP65
Expected lifetime	10 ⁸ revolutions (depending on speed, environmental conditions and size)

RUGGED

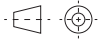
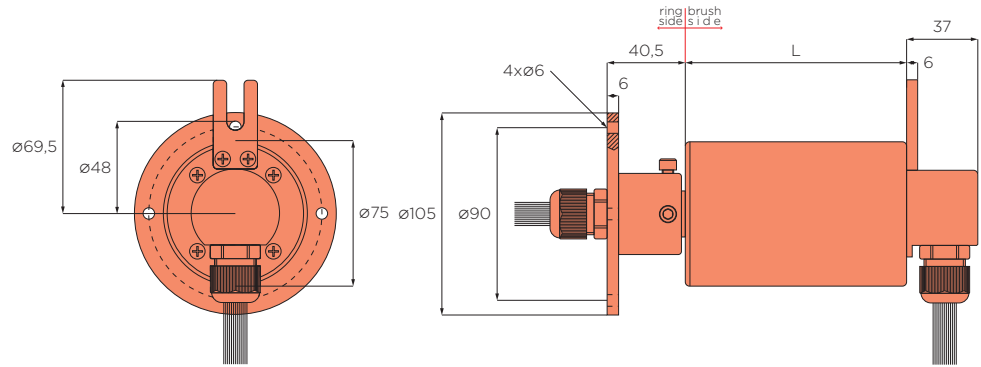
Combinations

Electric	Fieldbus	Fluidic (combined solutions)
Signals	EtherCAT	Air
Power	Profinet	Oil
	Sercos	Gas
	Powerlink	Water
	Ethernet	
	Canbus	

Customizations

Cables	Mechanical design	Flange
Materials	Treatments	Cable exits

SVTS D 01

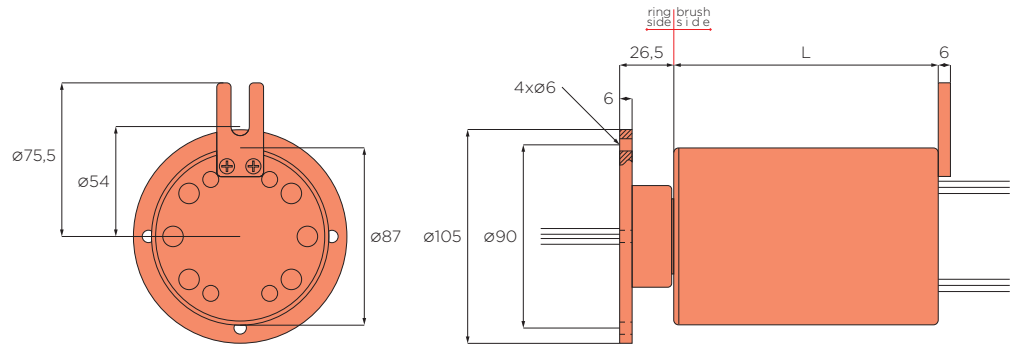


Custom cable length increase possible as multiples of 500mm

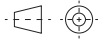
Model	Number of circuits			L	PG type
	Total	Power	Signals		
	5A				
SVTS D 01-U-A-00/06	6	-	6	63	PG7
SVTS D 01-U-A-00/12	12	-	12	77	PG9
SVTS D 01-U-A-00/18	18	-	18	91	PG11
SVTS D 01-U-A-00/24	24	-	24	105	PG16
SVTS D 01-U-A-00/30	30	-	30	119	-
SVTS D 01-U-A-00/36	36	-	36	133	-
SVTS D 01-U-A-00/42	42	-	42	147	-
SVTS D 01-U-A-00/48	48	-	48	161	-

All dimensions in millimeters, unless otherwise specified

SVTS D 02



servotecnica



Custom cable length increase possible as multiples of 500mm

Model	Number of circuits			L	PG type
	Total	Power 15A	Signals 2A		
SVTS D 02-U-A-06/00	6	6	-	58,9	-
SVTS D 02-U-A-00/12	12	-	12	58,9	-
SVTS D 02-U-A-12/00	12	12	-	82,9	-
SVTS D 02-U-A-06/12	18	6	12	82,9	-
SVTS D 02-U-A-00/24	24	-	24	82,9	-
SVTS D 02-U-A-18/00	18	18	-	106	-
SVTS D 02-U-A-12/12	24	12	12	106	-
SVTS D 02-U-A-06/24	30	6	24	106	-
SVTS D 02-U-A-00/36	36	-	36	106	-
SVTS D 02-U-A-24/00	24	24	-	130	-
SVTS D 02-U-A-18/12	30	18	12	130	-
SVTS D 02-U-A-12/24	36	12	24	130	-
SVTS D 02-U-A-06/36	42	6	36	130	-
SVTS D 02-U-A-00/48	48	-	48	130	-
SVTS D 02-U-A-30/00	30	30	-	154	-
SVTS D 02-U-A-24/12	36	24	12	154	-
SVTS D 02-U-A-18/24	42	18	24	154	-
SVTS D 02-U-A-12/36	48	12	36	154	-
SVTS D 02-U-A-06/48	54	6	48	154	-
SVTS D 02-U-A-00/60	60	-	60	154	-
SVTS D 02-U-A-36/00	36	36	-	178	-
SVTS D 02-U-A-30/12	42	30	12	178	-
SVTS D 02-U-A-24/24	48	24	24	178	-
SVTS D 02-U-A-18/36	54	18	36	178	-
SVTS D 02-U-A-12/48	60	12	48	178	-
SVTS D 02-U-A-06/60	66	6	60	178	-
SVTS D 02-U-A-00/72	72	-	72	178	-
SVTS D 02-U-A-42/00	42	42	-	202	-
SVTS D 02-U-A-36/12	48	36	12	202	-
SVTS D 02-U-A-30/24	54	30	24	202	-
SVTS D 02-U-A-24/36	60	24	36	202	-
SVTS D 02-U-A-18/48	66	18	48	202	-
SVTS D 02-U-A-12/60	72	12	60	202	-
SVTS D 02-U-A-06/72	78	6	72	202	-
SVTS D 02-U-A-00/84	84	-	84	202	-
SVTS D 02-U-A-48/00	48	48	-	202	-
SVTS D 02-U-A-42/12	54	42	12	202	-
SVTS D 02-U-A-36/24	60	36	24	202	-
SVTS D 02-U-A-30/36	66	30	36	202	-
SVTS D 02-U-A-24/48	72	24	48	202	-
SVTS D 02-U-A-18/60	78	18	60	202	-
SVTS D 02-U-A-12/72	84	12	72	202	-
SVTS D 02-U-A-06/84	90	6	84	202	-
SVTS D 02-U-A-00/96	96	-	96	202	-

RUGGED

All dimensions in millimeters, unless otherwise specified

HEADQUARTERS - ITALY



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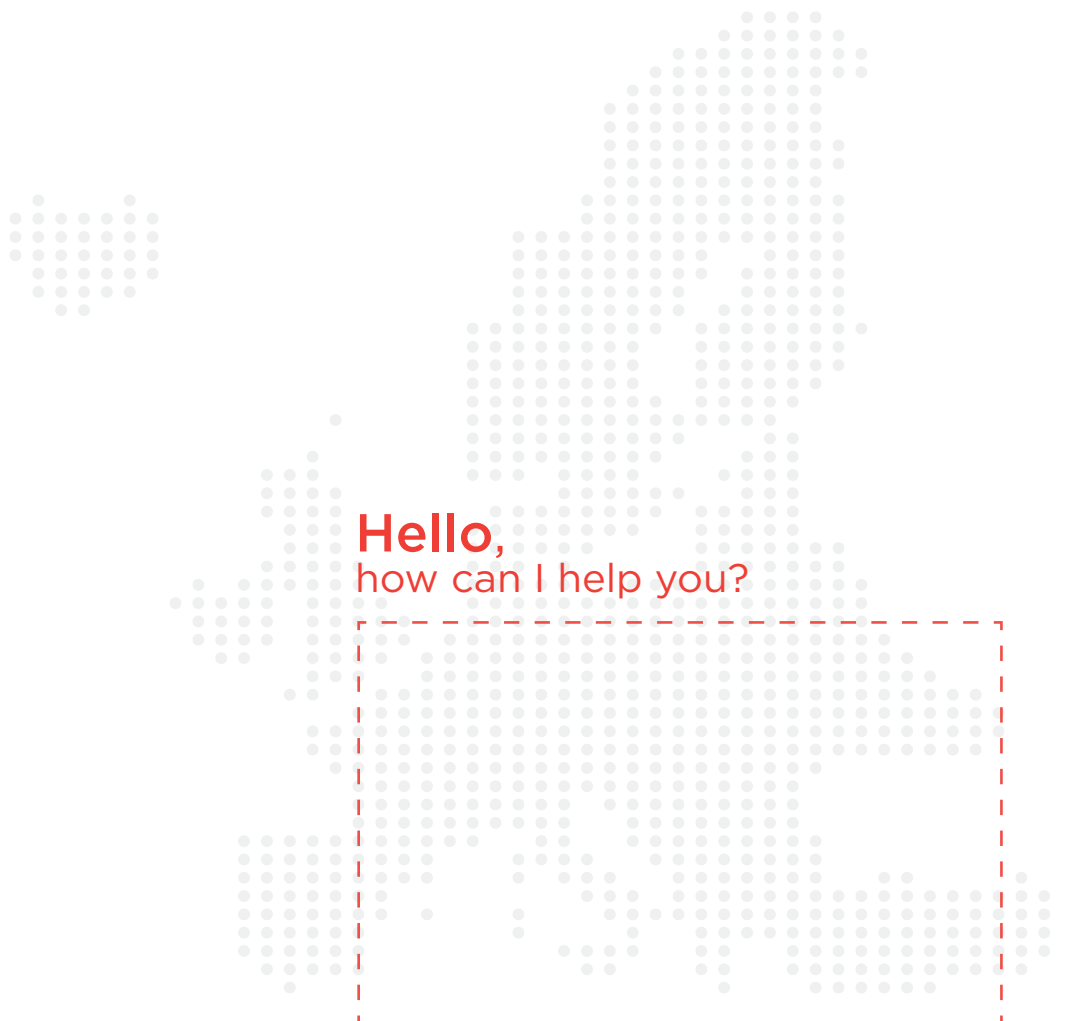
Via E. Majorana, 4
20834 Nova Milanese (MB)
Italy
+39 03624921 | info@servotecnica.com

GERMANY



Servotecnica G.m.b.H.

Kelsterbacher Strasse, 20
65479 Raunheim - Deutschland
info@servotecnica.de | www.servotecnica.de



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how can I help you?

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