

# SVTS D Series

## Ruggedized Slip Rings



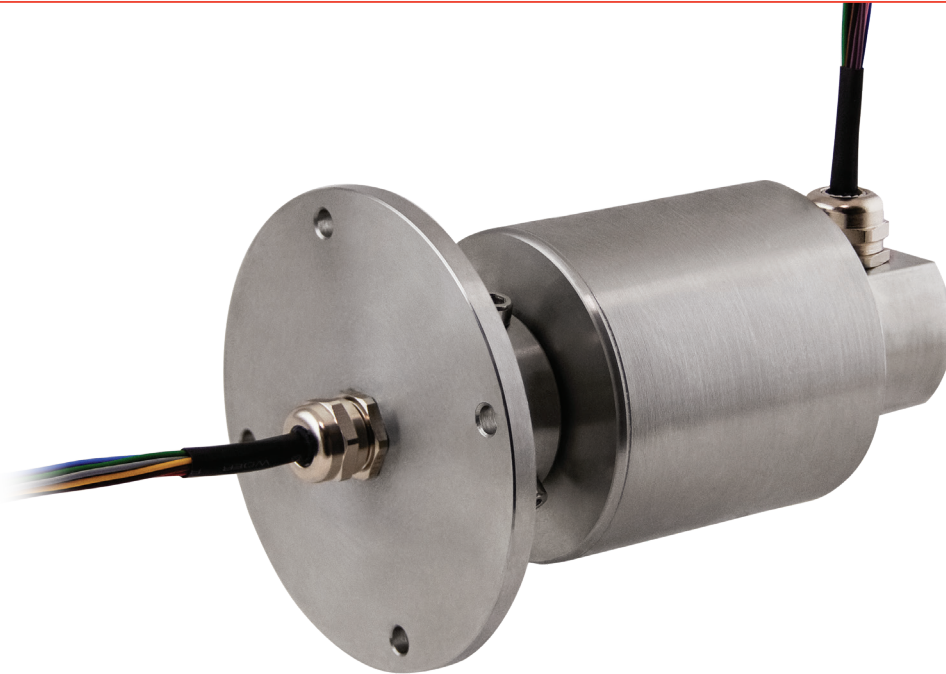
Robust



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 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 IP65 [U]

<sup>2</sup> Standard [ST]; Extended [ET]

## Features

Current	2A: AWG26 5A: AWG22 15A: AWG14
Voltage	
Power	600 VAC / 600 VDC
Signals	240 VAC / 240 VDC
Cables	Tin plated (power circuits); silver plated (signal circuits) PTFE insulated / colour coded
Cables length	Standard: 500mm; custom cable length increase possible as multiples of 500mm
Dielectric strength	
Power	1500 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 500 rpm (others on request)
Bearings	Steel
Housing	Stainless steel
Temperature	-20°C / +80°C (-40°C as option)
Protection	IP65
Expected lifetime	10 <sup>8</sup> revolutions (depending on speed, environmental conditions and size)

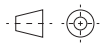
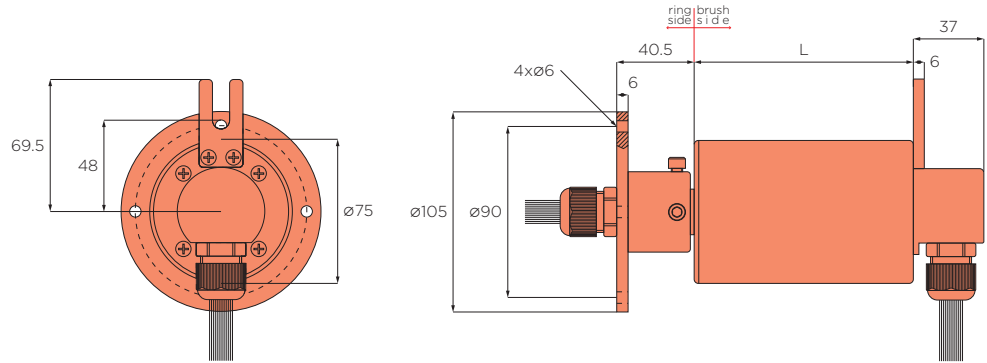
## Combinations

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

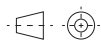
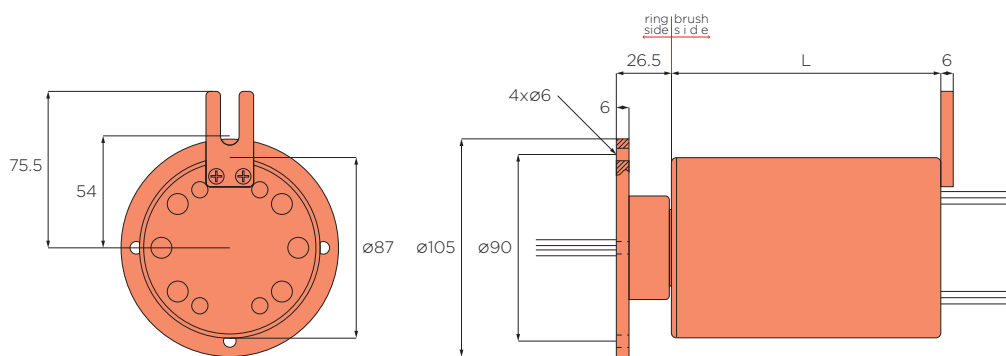


Custom cable length increase possible as multiples of 500mm

Model	Number of circuits		Signals	L	PG type	Color code p. 82
	Total	Power				
SVTS D 01-U-A-00/06	6	-	6 5A	63	PG7	CC 7
SVTS D 01-U-A-00/12	12	-	12	77	PG9	CC 7
SVTS D 01-U-A-00/18	18	-	18	91	PG11	CC 7
SVTS D 01-U-A-00/24	24	-	24	105	PG16	CC 7
SVTS D 01-U-A-00/30	30	-	30	119	-	CC 7
SVTS D 01-U-A-00/36	36	-	36	133	-	CC 7
SVTS D 01-U-A-00/42	42	-	42	147	-	CC 7
SVTS D 01-U-A-00/48	48	-	48	161	-	CC 7

All dimensions in millimeters, unless otherwise specified

# SVTS D 02



Custom cable length increase possible as multiples of 500mm

Model	Number of circuits			L	Color code p. 82
	Total	Power 15A	Signals 2A		
SVTS D 02-U-A-06/00	6	6	-	59	CC 7
SVTS D 02-U-A-00/12	12	-	12	59	CC 7
SVTS D 02-U-A-12/00	12	12	-	83	CC 7
SVTS D 02-U-A-06/12	18	6	12	83	CC 7
SVTS D 02-U-A-00/24	24	-	24	83	CC 7
SVTS D 02-U-A-18/00	18	18	-	106	CC 7
SVTS D 02-U-A-12/12	24	12	12	106	CC 7
SVTS D 02-U-A-06/24	30	6	24	106	CC 7
SVTS D 02-U-A-00/36	36	-	36	106	CC 7
SVTS D 02-U-A-24/00	24	24	-	130	CC 7
SVTS D 02-U-A-18/12	30	18	12	130	CC 7
SVTS D 02-U-A-12/24	36	12	24	130	CC 7
SVTS D 02-U-A-06/36	42	6	36	130	CC 7
SVTS D 02-U-A-00/48	48	-	48	130	CC 7
SVTS D 02-U-A-30/00	30	30	-	154	CC 7
SVTS D 02-U-A-24/12	36	24	12	154	CC 7
SVTS D 02-U-A-18/24	42	18	24	154	CC 7
SVTS D 02-U-A-12/36	48	12	36	154	CC 7
SVTS D 02-U-A-06/48	54	6	48	154	CC 7
SVTS D 02-U-A-00/60	60	-	60	154	CC 7
SVTS D 02-U-A-36/00	36	36	-	178	CC 7
SVTS D 02-U-A-30/12	42	30	12	178	CC 7
SVTS D 02-U-A-24/24	48	24	24	178	CC 7
SVTS D 02-U-A-18/36	54	18	36	178	CC 7
SVTS D 02-U-A-12/48	60	12	48	178	CC 7
SVTS D 02-U-A-06/60	66	6	60	178	CC 7
SVTS D 02-U-A-00/72	72	-	72	178	CC 7
SVTS D 02-U-A-42/00	42	42	-	202	CC 7
SVTS D 02-U-A-36/12	48	36	12	202	CC 7
SVTS D 02-U-A-30/24	54	30	24	202	CC 7
SVTS D 02-U-A-24/36	60	24	36	202	CC 7
SVTS D 02-U-A-18/48	66	18	48	202	CC 7
SVTS D 02-U-A-12/60	72	12	60	202	CC 7
SVTS D 02-U-A-06/72	78	6	72	202	CC 7
SVTS D 02-U-A-00/84	84	-	84	202	CC 7
SVTS D 02-U-A-48/00	48	48	-	237	CC 7
SVTS D 02-U-A-42/12	54	42	12	237	CC 7
SVTS D 02-U-A-36/24	60	36	24	237	CC 7
SVTS D 02-U-A-30/36	66	30	36	237	CC 7
SVTS D 02-U-A-24/48	72	24	48	237	CC 7
SVTS D 02-U-A-18/60	78	18	60	237	CC 7
SVTS D 02-U-A-12/72	84	12	72	237	CC 7
SVTS D 02-U-A-06/84	90	6	84	237	CC 7
SVTS D 02-U-A-00/96	96	-	96	237	CC 7

All dimensions in millimeters, unless otherwise specified

# Color code

## CC 7

Power	
Color	Ring no.
RD ●	1
YE ●	2
BK ●	3
BU ●	4
GN ●	5
WHO ○	6

and repeat

Signal	
Color	Ring no.
RD ●	1
YE ●	2
BK ●	3
BU ●	4
GN ●	5
WHO ○	6
VT ●	7
GY ●	8
BN ●	9
OG ●	10
DBU ●	11
KH ●	12

and repeat

## CC 8

Power	
Color	Ring no.
RD ●	1
YE ●	2
BK ●	3
BU ●	4
GN ●	5
WHO ○	6
VT ●	7
GY ●	8
BN ●	9
OG ●	10

and repeat

Signal	
Color	Ring no.
RD ●	1
YE ●	2
BK ●	3
BU ●	4
GN ●	5
WHO ○	6

and repeat

## CC 9

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

and repeat

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



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