

# SVTS D Series

## Rugged



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# SVTS D Series

## Rugged Slip Rings



 ROBUST

 IP 65

 POWER, SIGNALS & FIELDBUS

The robust E 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

Product code (detailed coding system on page 9)

1	2	3	4	5	6	7	8	9	10	
SVTS	D	BB	- C -	D -	EE /	FF -	GGGG /	HHHH -	II -	XXX

1 Series	3 Protection <sup>1</sup>	5 Power circuits	7 Cable length - brushes side	9 Temperature range <sup>2</sup>
2 Model	4 Flange types	6 Signal circuits	8 Cable length - rings side	10 Special options

<sup>1</sup> IP65 [U]<sup>2</sup> Standard [ST]; Extended [ET]

## Main applications

Fillin & labelling machines	Medical systems
Capping machines	Packaging
Converting machines	Printing machines
Automatic machines	Process control
Hose reels	Robots
Machine tools	Rotary tables

## Features

Current	
Power	5A: AWG22 10A: AWG16 15A: AWG14
Signals	2A: AWG26
Voltage	400 V <sub>AC</sub> / 240 V <sub>DC</sub>
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 V <sub>AC</sub> @ 50 Hz @ 60 sec
Insulation resistance	> 1000 M $\Omega$ / 500 V <sub>DC</sub>
Nominal speed	400 rpm (higher speeds upon request)
Dynamic contact resistance	< 0.01 $\Omega$
Bearings	Steel
Housing	Stainless steel (SVTS D 01) / aluminium (SVTS D 02)
Temperature	-20°C to +80°C (-40°C as option)
Protection	IP65
Expected lifetime	10 <sup>8</sup> revolutions (depending on speed, environmental conditions and size)

# SVTS D 01

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	-

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

Customisations		
Cables	Mechanical design	Flange
Materials	Treatments	Cable exits

All dimensions in millimeters, unless otherwise specified



# SVTS D 02

Model	Number of circuits			L	PG type
	Total	Power 15A	Signals 2A		
SVTS D 02-U-A-06/00	6	6	-	57	-
SVTS D 02-U-A-00/12	12	-	12	57	-
SVTS D 02-U-A-12/00	12	12	-	81	-
SVTS D 02-U-A-06/12	18	6	12	81	-
SVTS D 02-U-A-00/24	24	-	24	81	-
SVTS D 02-U-A-18/00	18	18	-	105	-
SVTS D 02-U-A-12/12	24	12	12	105	-
SVTS D 02-U-A-06/24	30	6	24	105	-
SVTS D 02-U-A-00/36	36	-	36	105	-
SVTS D 02-U-A-24/00	24	24	-	129	-
SVTS D 02-U-A-18/12	30	18	12	129	-
SVTS D 02-U-A-12/24	36	12	24	129	-
SVTS D 02-U-A-06/36	42	6	36	129	-
SVTS D 02-U-A-00/48	48	-	48	129	-
SVTS D 02-U-A-30/00	30	30	-	153	-
SVTS D 02-U-A-24/12	36	24	12	153	-
SVTS D 02-U-A-18/24	42	18	24	153	-
SVTS D 02-U-A-12/36	48	12	36	153	-
SVTS D 02-U-A-06/48	54	6	48	153	-
SVTS D 02-U-A-00/60	60	-	60	153	-
SVTS D 02-U-A-36/00	36	36	-	177	-
SVTS D 02-U-A-30/12	42	30	12	177	-
SVTS D 02-U-A-24/24	48	24	24	177	-
SVTS D 02-U-A-18/36	54	18	36	177	-
SVTS D 02-U-A-12/48	60	12	48	177	-
SVTS D 02-U-A-06/60	66	6	60	177	-
SVTS D 02-U-A-00/72	72	-	72	177	-
SVTS D 02-U-A-42/00	42	42	-	201	-
SVTS D 02-U-A-36/12	48	36	12	201	-
SVTS D 02-U-A-30/24	54	30	24	201	-
SVTS D 02-U-A-24/36	60	24	36	201	-
SVTS D 02-U-A-18/48	66	18	48	201	-
SVTS D 02-U-A-12/60	72	12	60	201	-
SVTS D 02-U-A-06/72	78	6	72	201	-
SVTS D 02-U-A-00/84	84	-	84	201	-
SVTS D 02-U-A-48/00	48	48	-	225	-
SVTS D 02-U-A-42/12	54	42	12	225	-
SVTS D 02-U-A-36/24	60	36	24	225	-
SVTS D 02-U-A-30/36	66	30	36	225	-
SVTS D 02-U-A-24/48	72	24	48	225	-
SVTS D 02-U-A-18/60	78	18	60	225	-
SVTS D 02-U-A-12/72	84	12	72	225	-
SVTS D 02-U-A-06/84	90	6	84	225	-
SVTS D 02-U-A-00/96	96	-	96	225	-

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