

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 ¹	5 Power circuits	7 Cable length - brushes side	9 Temperature range ²
2 Model	4 Flange types	6 Signal circuits	8 Cable length - rings side	10 Special options

¹ IP65 [U]² 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
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Signals	2A: AWG26
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Voltage	400 VAC / 240 VDC
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Cables	Tin plated (power); silver (signals) / PTFE insulated / colour coded
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Cables length	Standard: 500mm; custom cable length increase possible as multiples of 500mm
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Dialectic strength	500 VAC @ 50 Hz @ 60 sec
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Insulation resistance	> 1000 MΩ / 500 VDC
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Nominal speed	400 rpm (higher speeds upon request)
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Dynamic contact resistance	< 0.01 Ω
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Bearings	Steel
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Housing	Stainless steel (SVTS D 01) / aluminium (SVTS D 02)
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Temperature	-20°C to +80°C (-40°C as option)
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Protection	IP65
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Expected lifetime	10 ⁸ revolutions (depending on speed, environmental conditions and size)
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D SERIES

E SERIES

F SERIES

G SERIES

CUSTOM

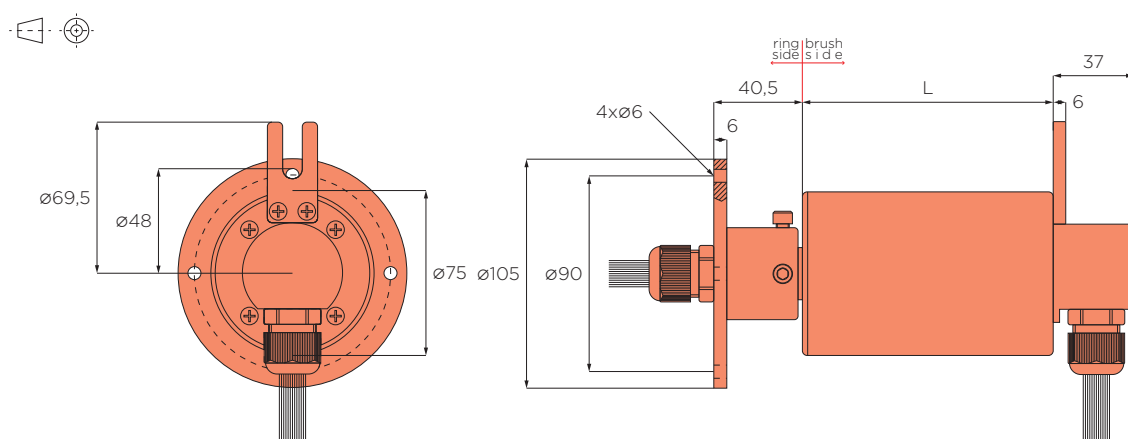
SVTS D 01

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

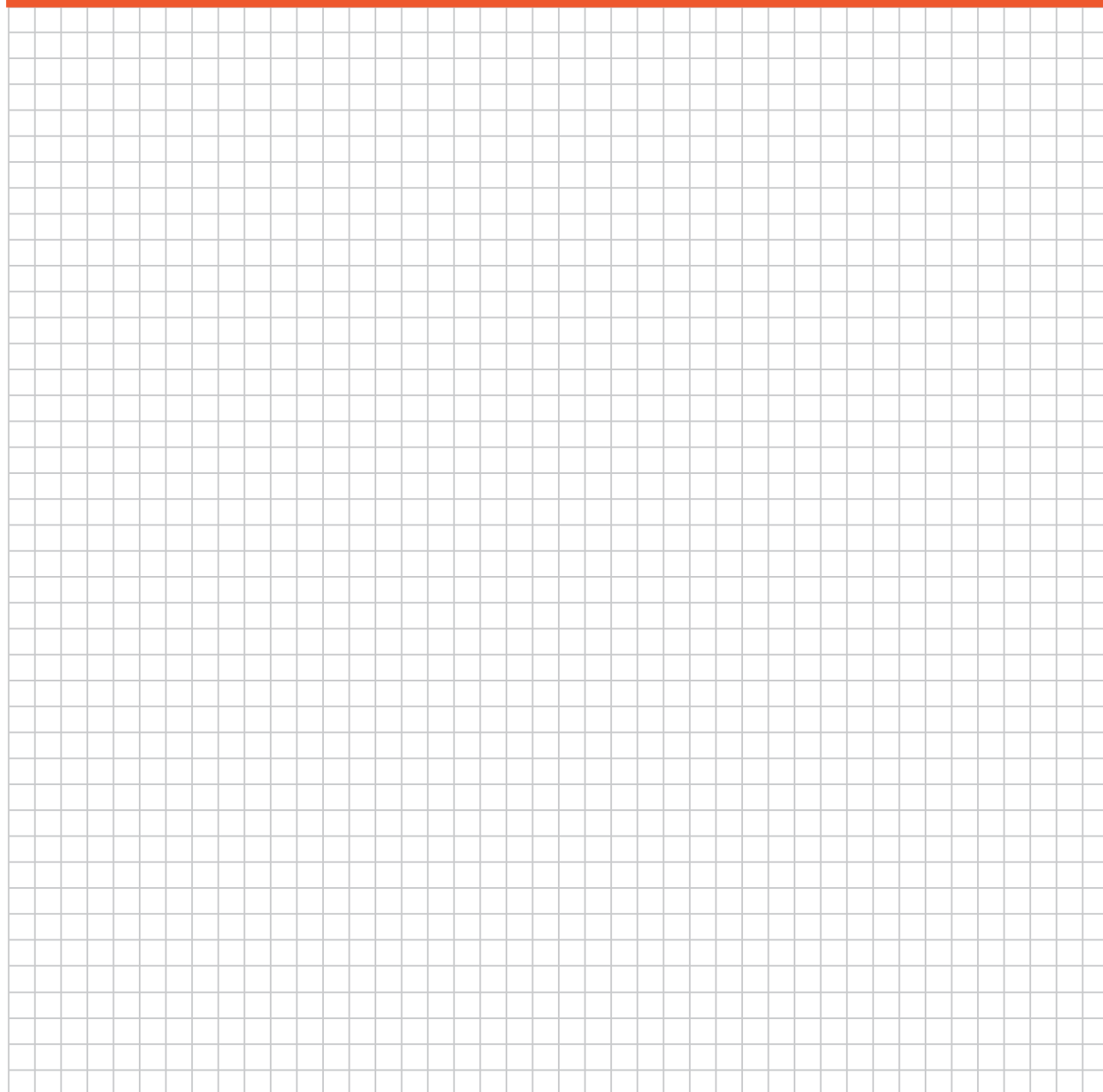
Customisations		
Cables	Mechanical design	Flange
Materials	Treatments	Cable exits

All dimensions in millimeters, unless otherwise specified



SVTS D 01

Custom cable length increase possible as multiples of 500mm



All dimensions in millimeters, unless otherwise specified

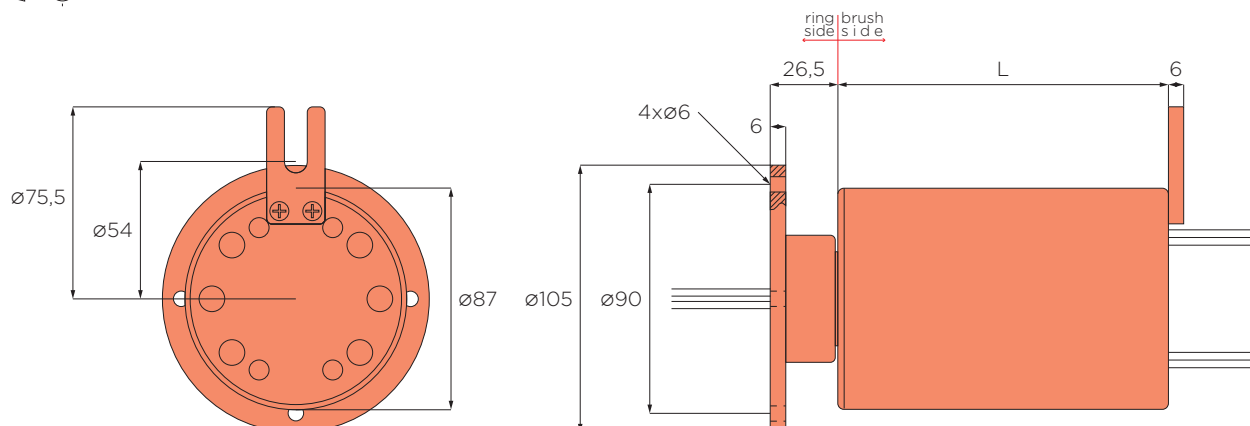
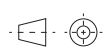
SVTS D 02

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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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

Custom cable length increase possible as multiples of 500mm



All dimensions in millimeters, unless otherwise specified