

SVTS A Series

Capsule

High-current capsule

Radio frequency capsule



Contents

	Model	Out ø	Page
CAPSULE	SVTS A 01	12mm	14 - 15
	SVTS A 02	15mm	16 - 17
	SVTS A 03	22mm	18 - 19
	NEW SVTS A 03 - Ethernet	22mm	20 - 21
	SVTS A 04	25mm	22 - 23
	NEW SVTS A 04 Ethernet	25mm	24 - 25
	Flange types		26 - 28
HIGH CURRENT	SVTS A 05	22mm	32 - 33
	Flange types		34 - 35
RF	SVTS A 06	22mm	38 - 39
	Flange types		40 - 41

A SERIES

B SERIES

C SERIES

D SERIES

E SERIES

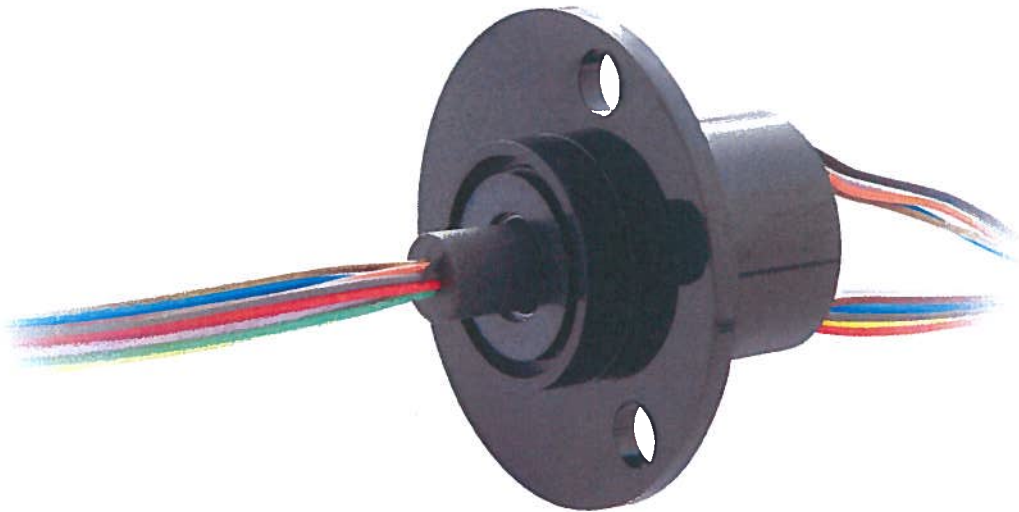
F SERIES

G SERIES

CUSTOM

SVTS A Series

Capsule



OPTIMAL SIGNAL TRANSMISSION



COMPACT



HIGH CIRCUIT DENSITY

The capsule A Series Slip Rings, thanks to their reduced diameter, guarantees a low peripheral speed between rings and brushes, thus to reduce material consumption so as to enhance its lifetime and minimise electrical noise and interferences between rings.

This Series has been designed keeping signal transmission optimisation, compactness and reliability in mind.

Moreover, this Slip Ring family is available in a wide range of configurations, from 3 to 56 circuits. The gold-gold technology used for both rings and brushes, makes high data rate and high frequency signal transmission possible.

Benefits

Optimal signal transmission (gold-gold technology)

Compact

Light

Many customisations

High circuits density

Combinable with fluidic rotary joints and FORJ

Water resistant (IP65)*

Cost-effective

Product code (detailed coding system on page 9)



- 1 Series 3 Protection¹ 5 Power circuits 7 Cable length - brushes side 9 Temperature range²
- 2 Model 4 Flange types 6 Signal circuits 8 Cable length - rings side 10 Special options³

¹ IP51 [S]; IP65 [U]

² Standard [ST]; Extended [ET]

³ Ethernet 100BaseT [E1M]; Ethernet 1000BaseT [E1G]

Main applications

- Video systems
- Moving head projectors
- Packaging
- Hose & cable reels
- Control systems
- Medical / pharmaceutical
- Wind turbines

Features

Current	1A: continuous - 2A peak: AWG28 2A: AWG26 4A: AWG22 6A: AWG20 8A: AWG16
Voltage	240 VDC / 240 VAC
Cables	Silver plated / PTFE insulated / colour coded
Cables length	Standard: 250mm; custom cable length increase possible as multiples of 250mm
Dielectric strength	500 VAC @ 60Hz @ 60 sec
Insulation resistance	> 500 MΩ / 500 VDC
Dynamic contact resistance	< 10 mΩ
Nominal speed	250 rpm (higher speed, up to 600 rpm, upon request)
Bearings	Miniature high-precision stainless steel ball bearings
Housing	ABS (hard plastic); Aluminium (SVTS A04)
Contact	Gold-gold (alloy)
Temperature	-20°C to +80°C (-40°C as option)
Protection	IP51; IP65*
Expected lifetime	10 ⁷ revolutions (depending on speed, environmental conditions and size)

*Optional: SVTS A 03 only

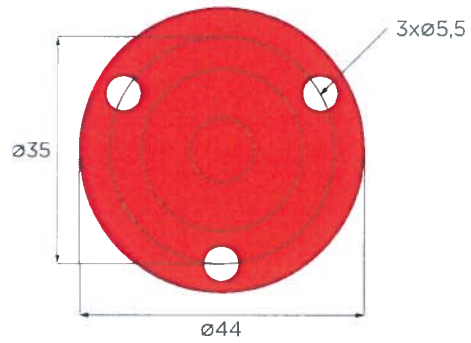
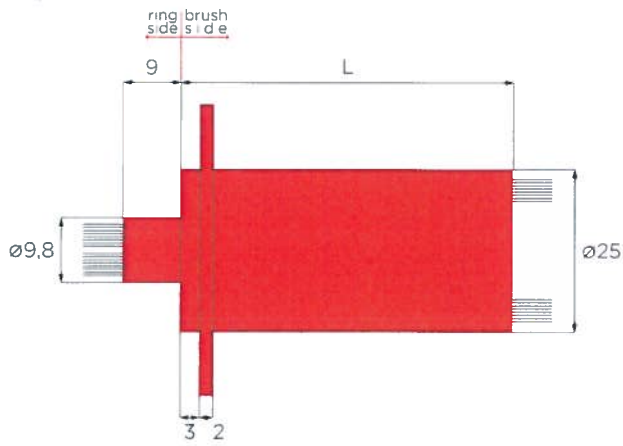
SVTS A 04

Model	Number of circuits				Dimensions		Housing
	Total	Signals	Power		Outside ø	L	
		1-2A	6A	8A			
SVTS A 04-S-A-00/30	30	30	-	-	25	51,5	Al
SVTS A 04-S-A-04/18	22	18	4	-	25	51,5	Al
SVTS A 04-S-A-03/15	18	15	-	3	25	51,5	Al
SVTS A 04-S-A-00/36	36	36	-	-	25	59,5	Al
SVTS A 04-S-A-04/24	28	24	4	-	25	59,5	Al
SVTS A 04-S-A-04/16	20	16	-	4	25	59,5	Al
SVTS A 04-S-A-00/46	46	46	-	-	25	72,5	Al
SVTS A 04-S-A-00/56	56	56	-	-	25	85,5	Al
SVTS A 04-S-A-04/44	48	44	4	-	25	85,5	Al
SVTS A 04-S-A-04/36	40	36	-	4	25	85,5	Al

Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Signals	Ethernet	Air
Power	Canbus	Oil
	Profibus	Water
	RS232	

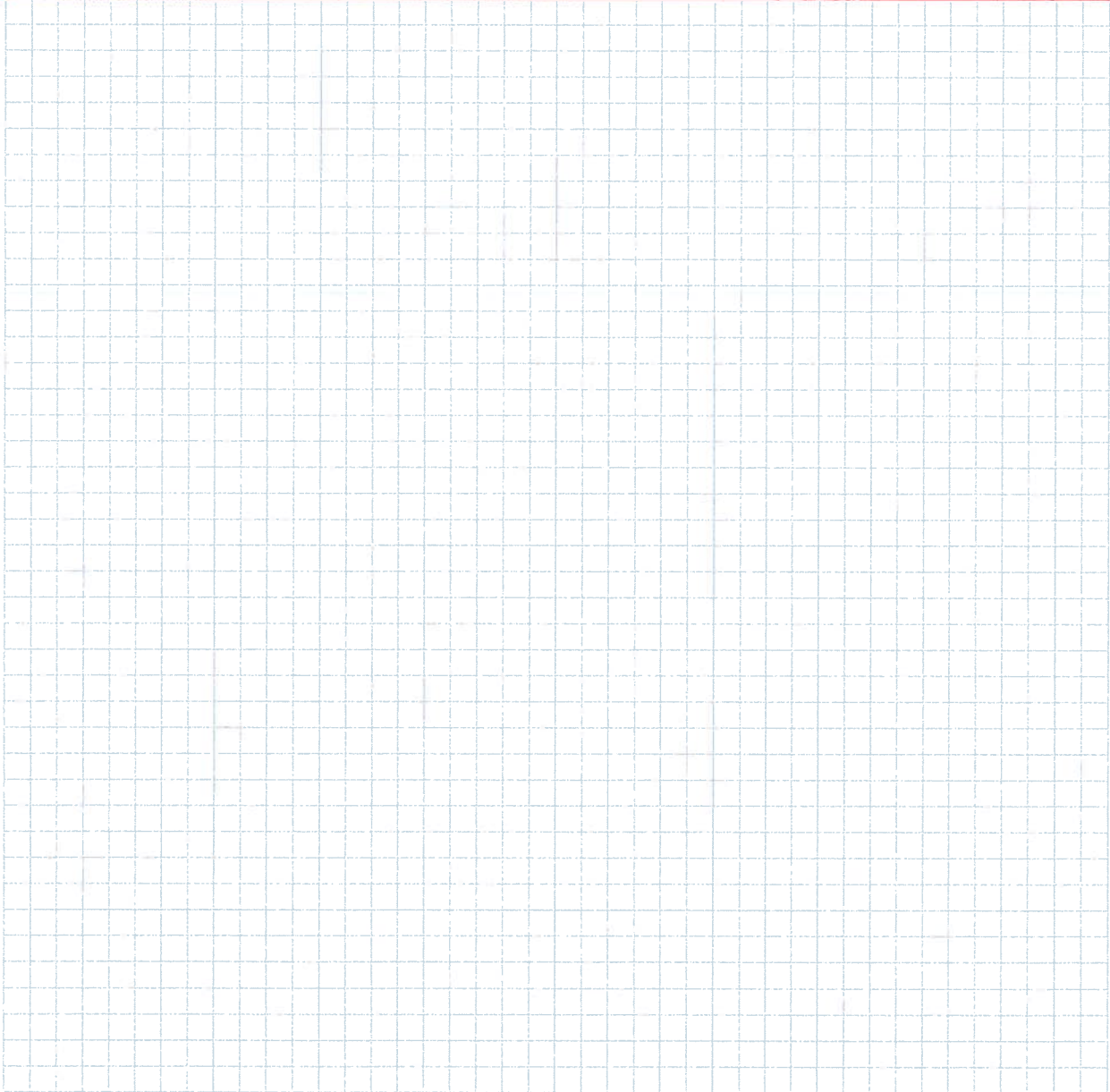
Customisations		
Cables	Mechanical design	Flange
Materials		

All dimensions in millimeters, unless otherwise specified



SVTS A 04 ... A - Standard flange

Custom cable length increase possible as multiples of 250mm



All dimensions in millimeters, unless otherwise specified

NEW

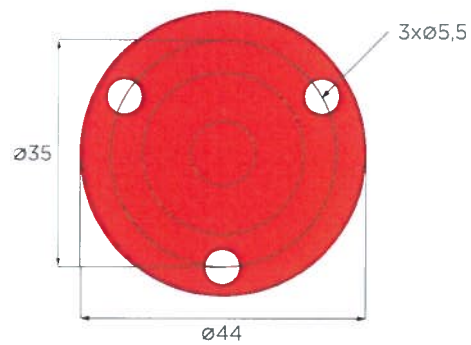
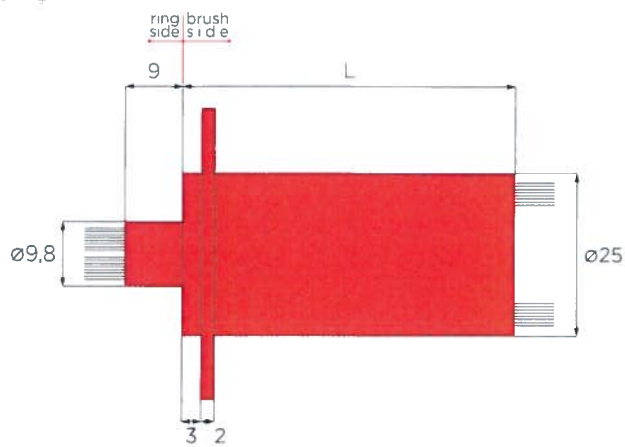
SVTS A 04

Ethernet

Model	Number of circuits			L	Weight (kg)
	Total	Signals 2A	Ethernet		
SVTS A 04-S-A-00/24-...-E1M	24	24	100BaseT	51,5	0,10
SVTS A 04-S-A-00/30-...-E1M	30	30	100BaseT	59,5	0,12
SVTS A 04-S-A-00/40-...-E1M	40	40	100BaseT	72,5	0,14
SVTS A 04-S-A-00/50-...-E1M	50	50	100BaseT	85,5	0,16
SVTS A 04-S-A-00/18-...-E1G	18	18	1000BaseT	51,5	0,10
SVTS A 04-S-A-00/24-...-E1G	24	24	1000BaseT	59,5	0,12
SVTS A 04-S-A-00/34-...-E1G	34	34	1000BaseT	72,5	0,14
SVTS A 04-S-A-00/44-...-E1G	44	44	1000BaseT	85,5	0,16

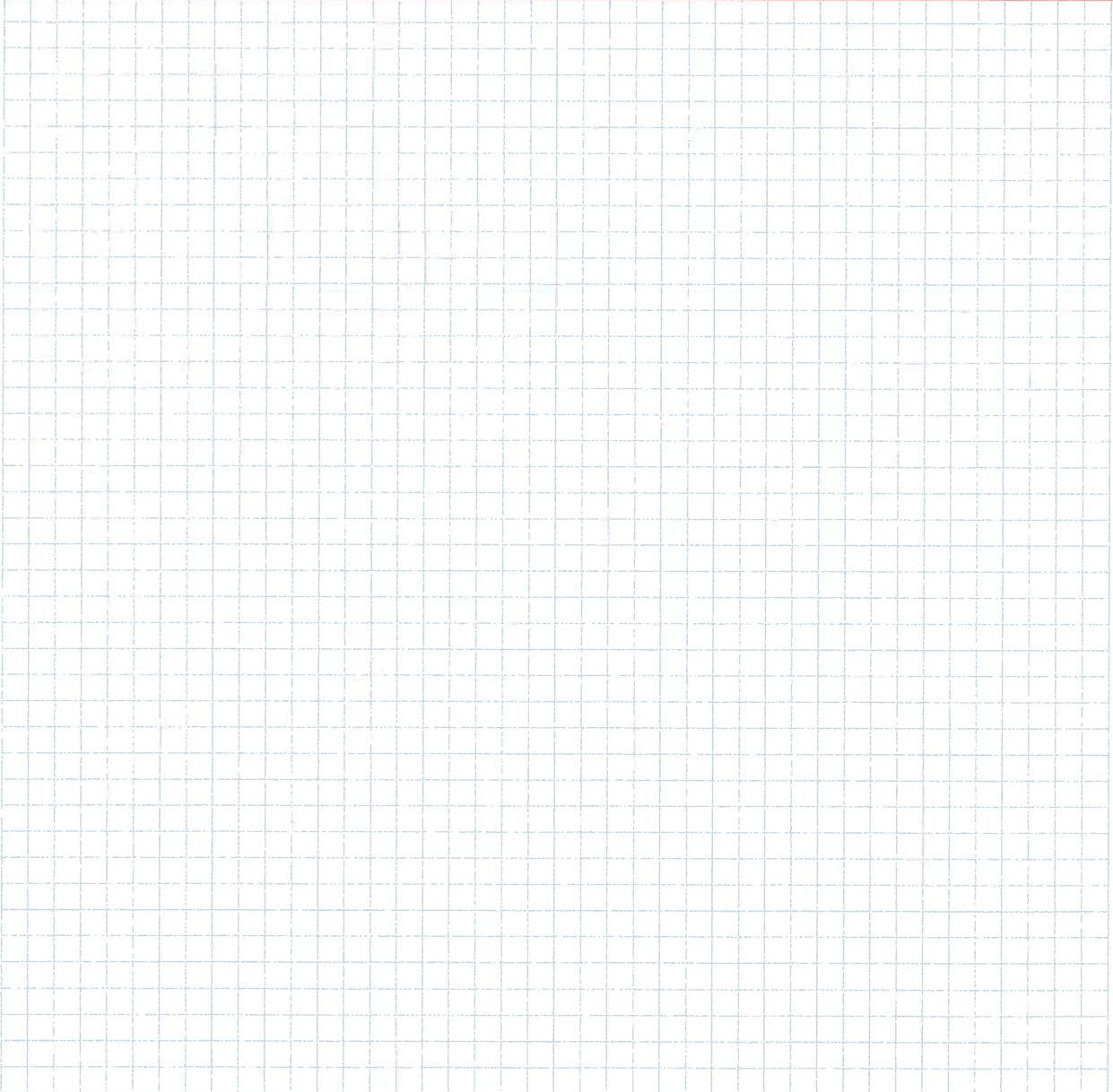
Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Signals	EtherCAT	Air
Power	Profinet	Oil
	Sercos	Water
	Powerlink	
	Ethernet	

Customisations		
Cables	Mechanical design	Flange
Materials		



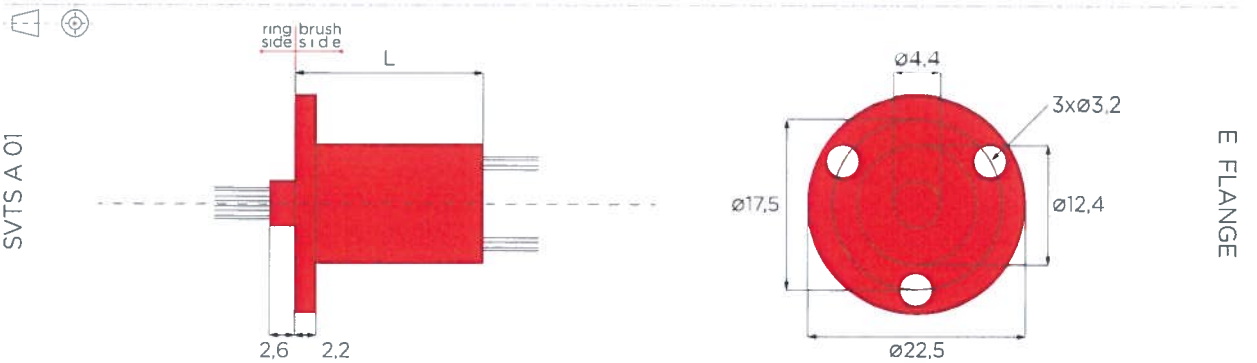
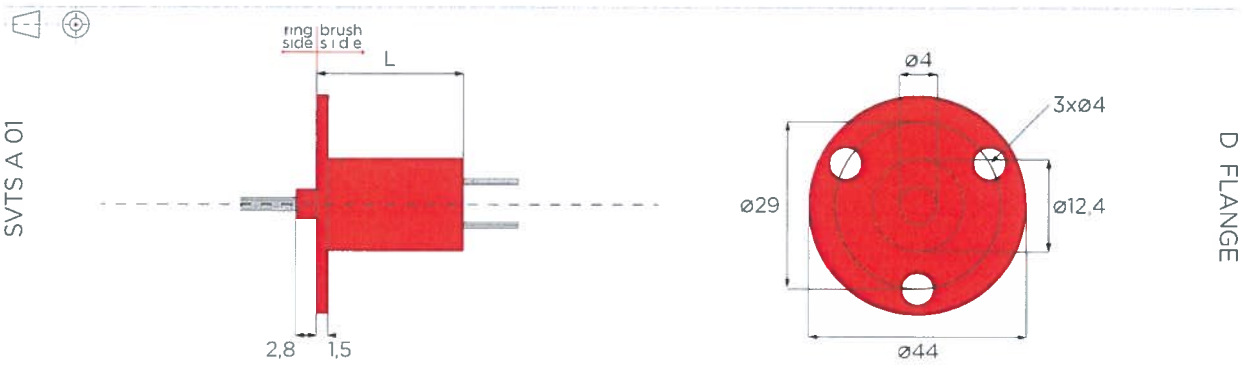
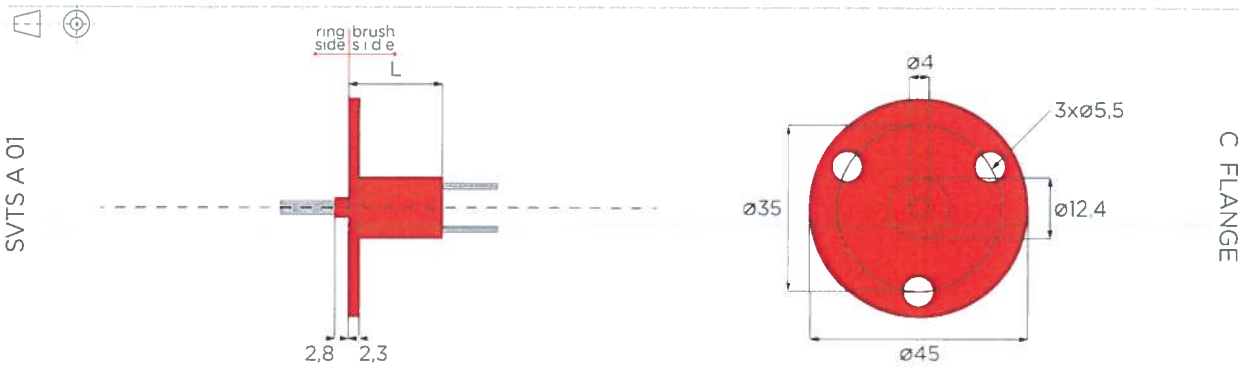
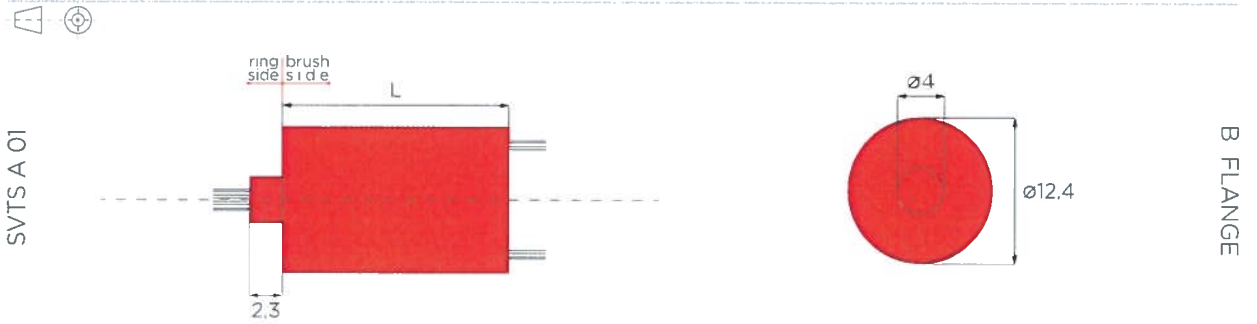
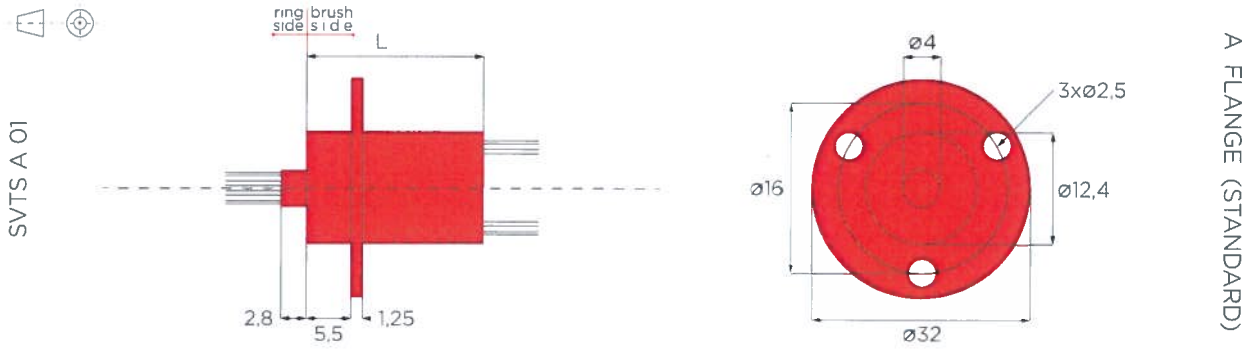
SVTS A 04 - Standard flange - Ethernet

Custom cable length increase possible as multiples of 250mm

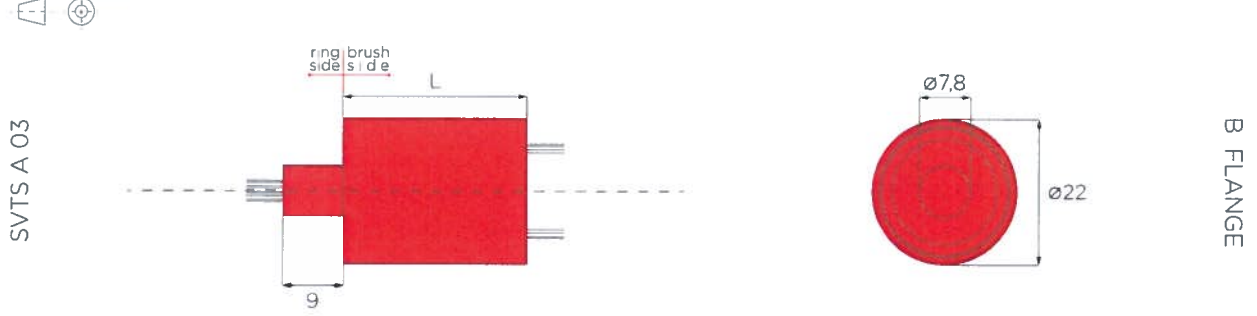
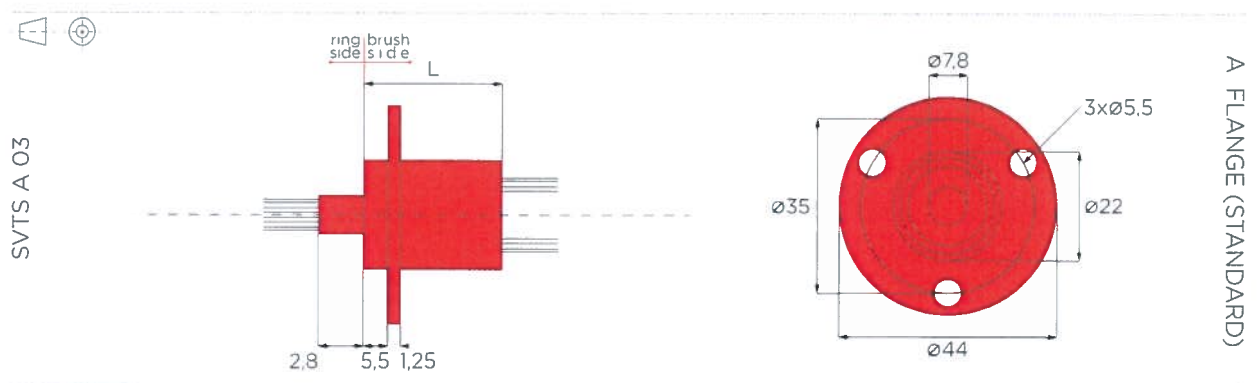
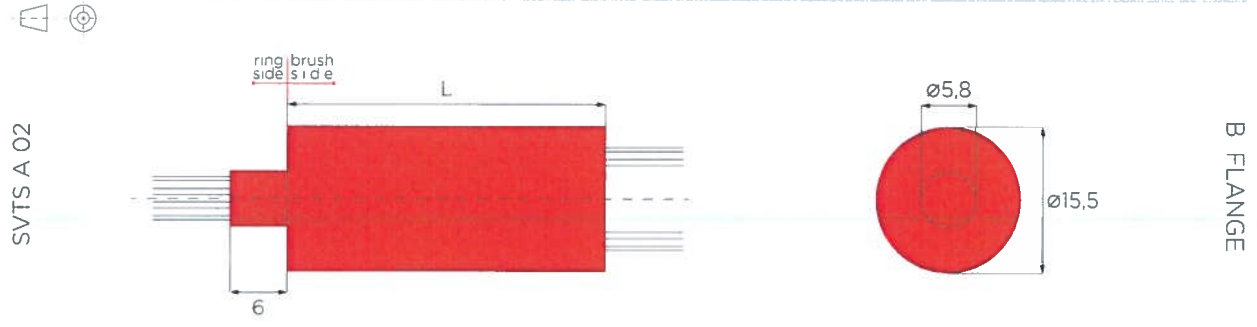
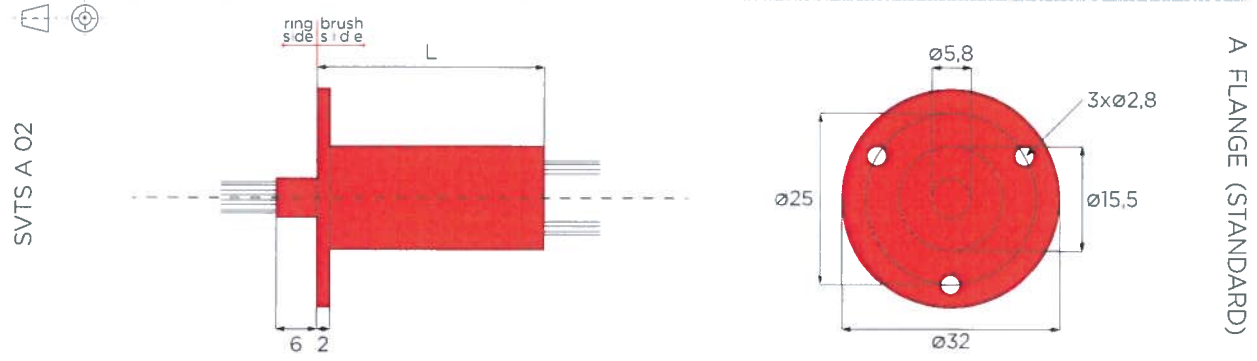
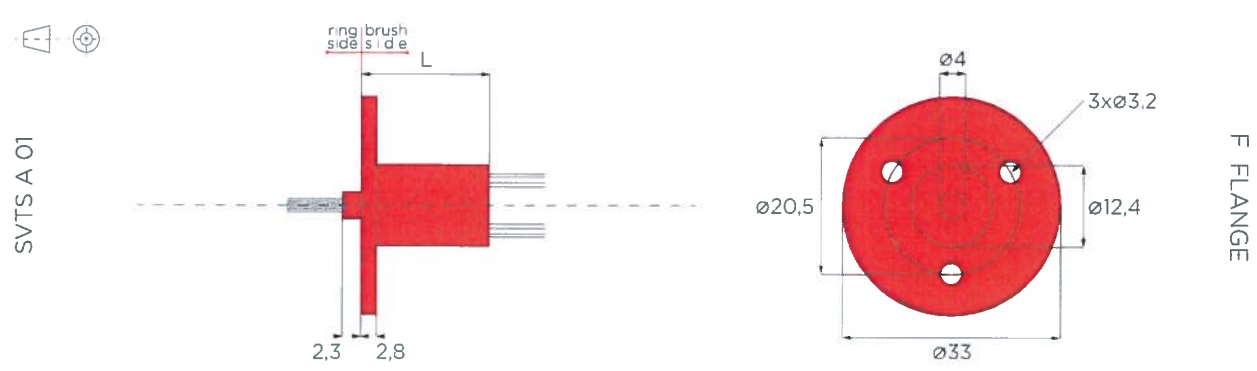


All dimensions in millimeters, unless otherwise specified

Flange types



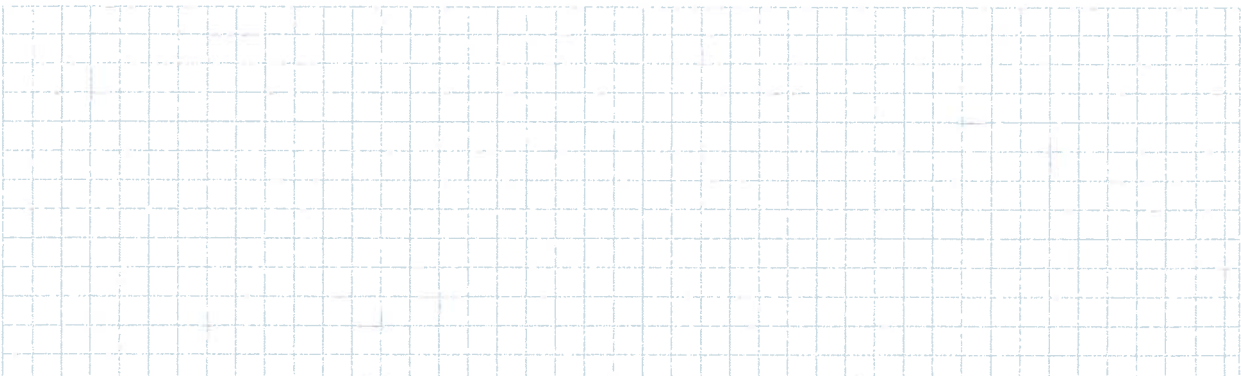
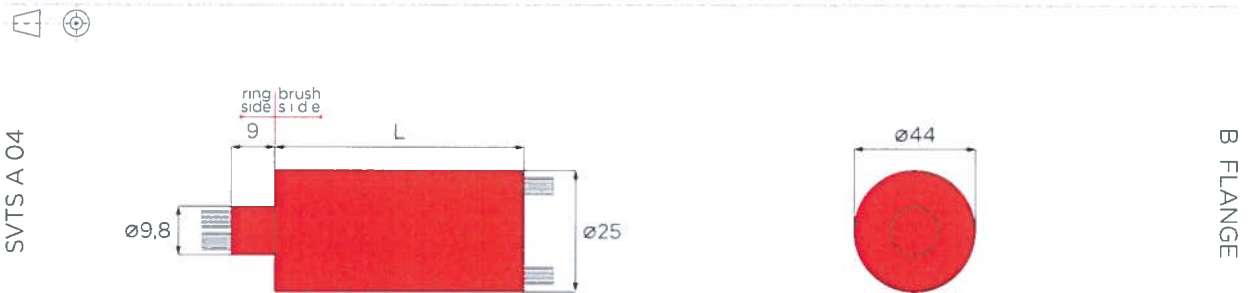
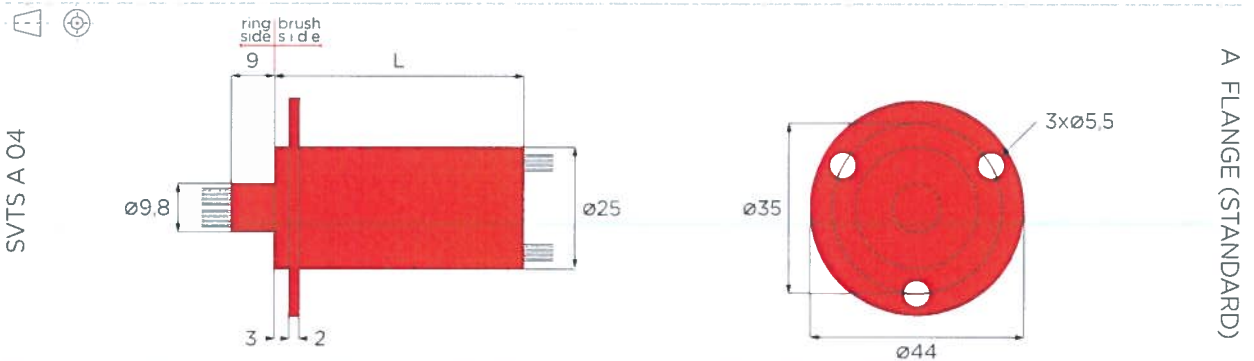
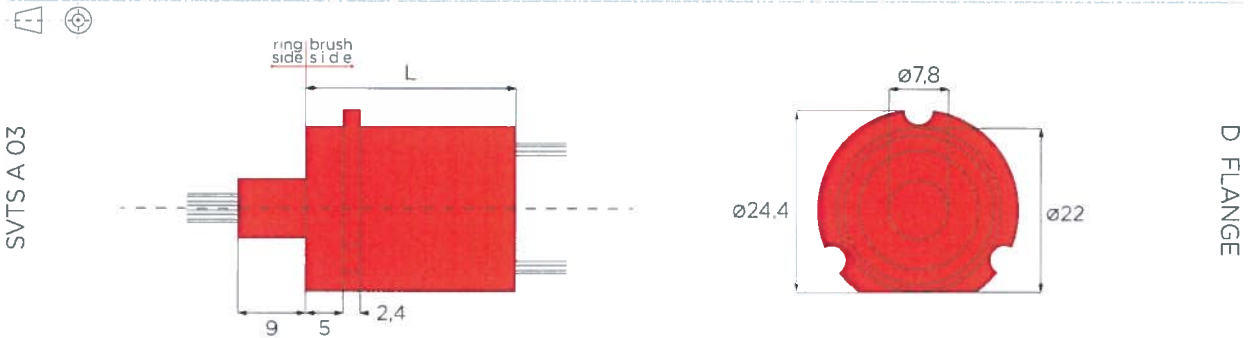
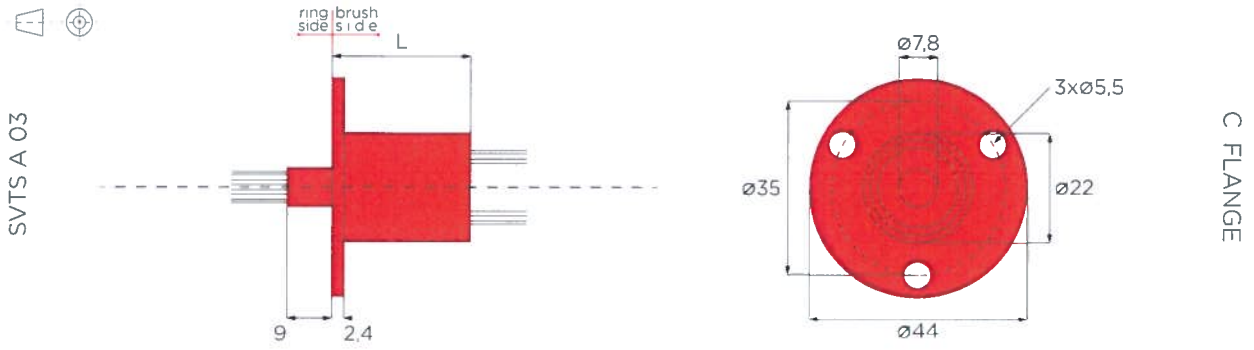
All dimensions in millimeters, unless otherwise specified



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Specifications subject to change
2016 Edition

Flange types



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