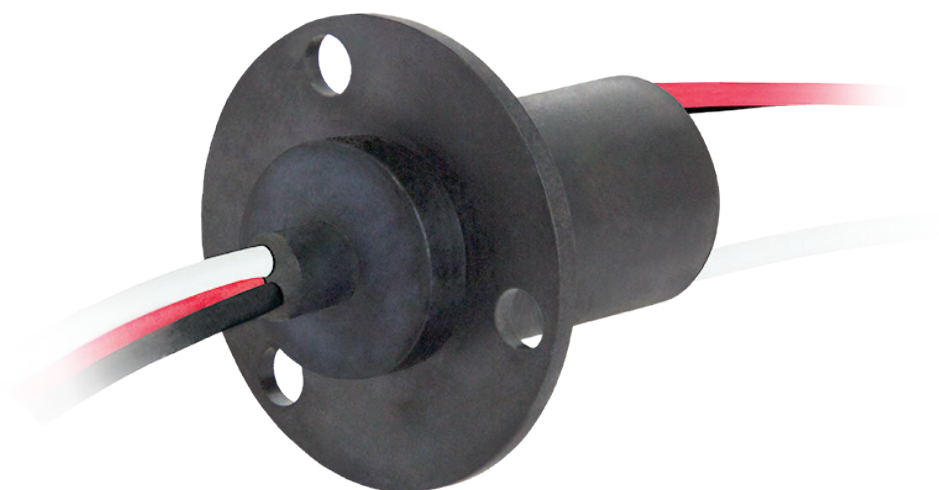


# SVTS A Series

## High current capsule Slip Rings



 **HIGH POWER**

 **COMPACT**

 **COST-EFFECTIVE**

The high-current capsule A Series Slip Rings, thanks to their extreme compactness, guarantees a low outer speed between rings and brushes, thus to reduce material consumption so as to enhance its lifetime.

This Series has been designed keeping flexibility, cost-effectiveness 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 between rings and brushes, minimise noise and interferences between the rings, allowing high data rate and frequency signal transmission.

In addition, the SRC / SRW Slip Rings Series has been designed to guarantee power circuits in a very small footprint (up to 20 A @ 250 VAC).

## Benefits

High power in little space

Compact

Light

Cost-effective

Product code (detailed coding system on page 9)

1	2	3	4	5	6	7	8	9	10
SVTS	A	05	- 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>3</sup>

<sup>1</sup> IP51 [S]<sup>2</sup> Standard [ST]; Extended [ET]<sup>3</sup> 4A circuits [001]; 8A circuits [002]; 10A circuits [003]; 20A circuits [004]

## Main applications

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

## Features

Current	4A: AWG22 6A: AWG20 8A/12A: AWG16 20A: AWG14
Voltage	240 V <sub>DC</sub> / 240 V <sub>AC</sub>
Cables	Tin plated / PTFE insulated / colour coded
Cables length	Standard: 250mm; custom cable length increase possible as multiples of 250mm
Dielectric strength	500 V <sub>AC</sub> @ 60Hz @ 60 sec
Insulation resistance	> 500 MΩ / 500 V <sub>DC</sub>
Dynamic contact resistance	< 10 mΩ
Nominal speed	250 rpm
Bearings	Miniature high-precision stainless steel ball bearings
Housing	ABS (hard plastic)
Contact	Gold-gold (alloy)
Temperature	-20°C to +80°C (-40°C as option)
Protection	IP51
Expected lifetime	10 <sup>7</sup> revolutions (depending on speed, environmental conditions and size)

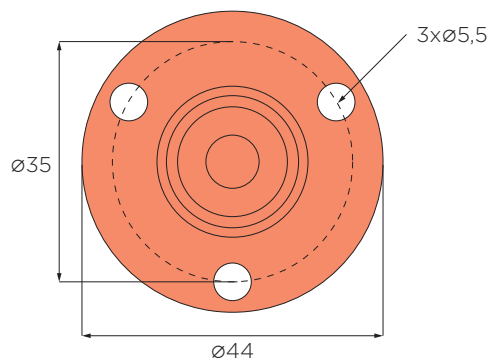
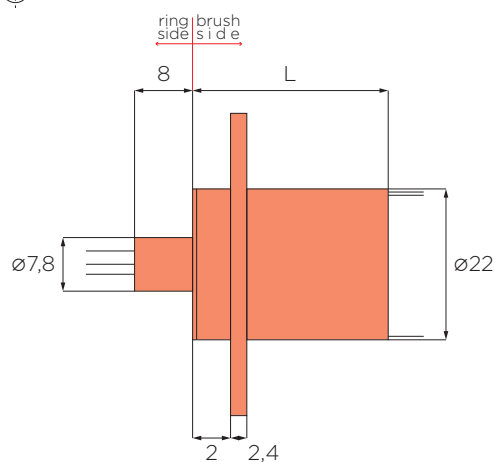
## SVTS A 05

[illegible]

Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Power		Air
		Oil
		Water

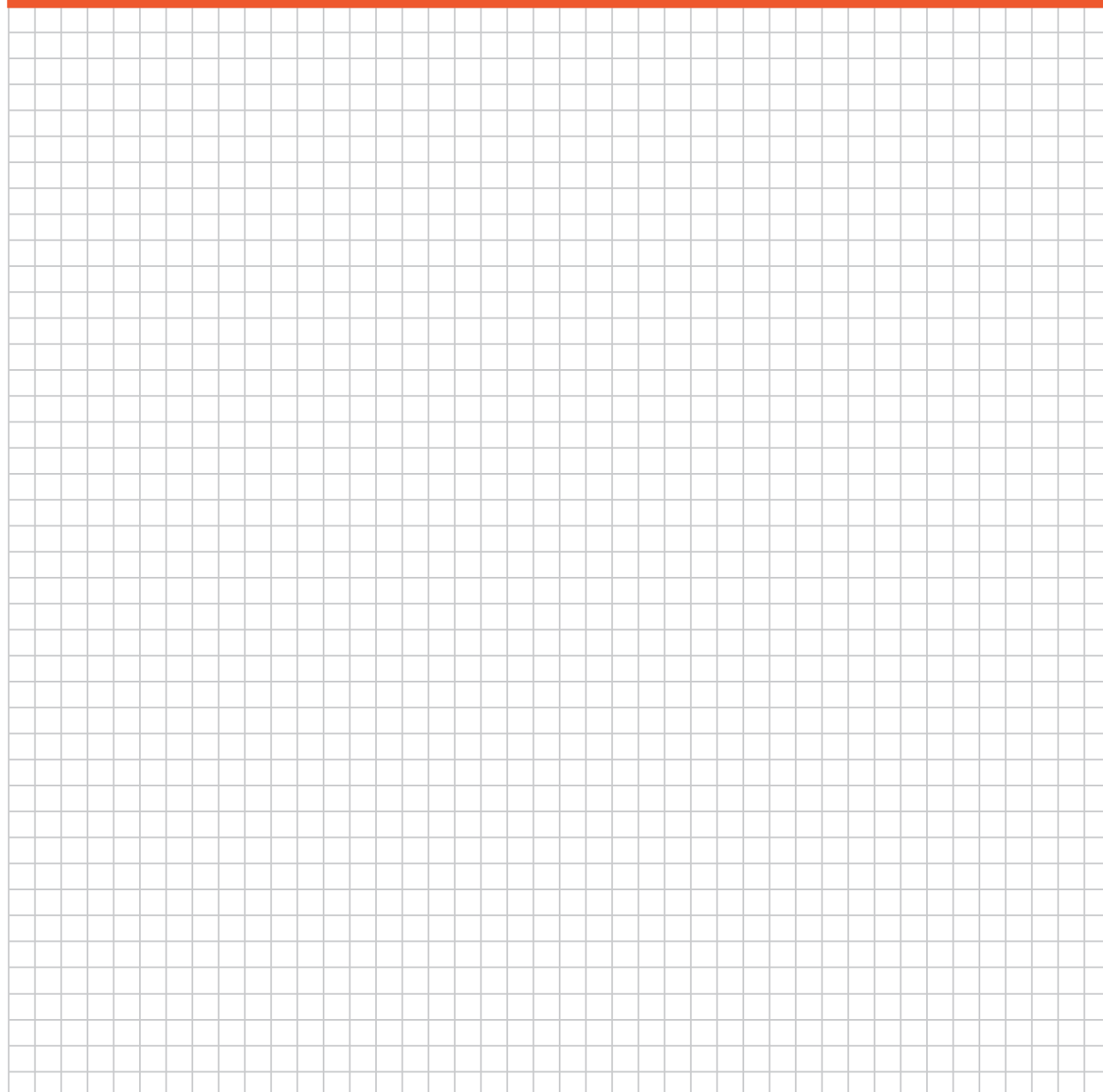
Customisations		
Cables	Mechanical design	Flange
Materials		

All dimensions in millimeters, unless otherwise specified



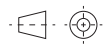
SVTS A 05

Custom cable length increase possible as multiples of 250mm

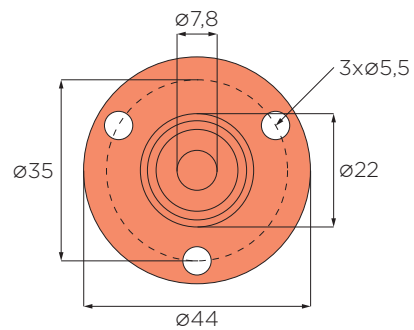
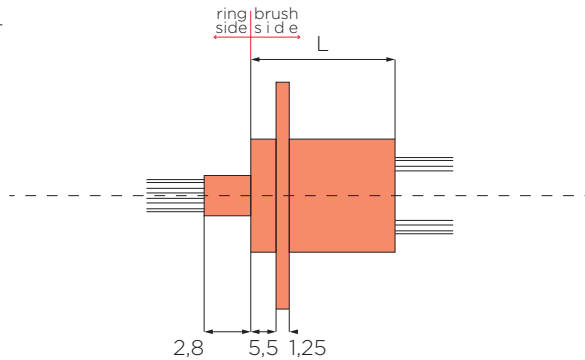


All dimensions in millimeters, unless otherwise specified

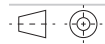
# Flange types



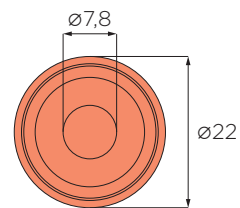
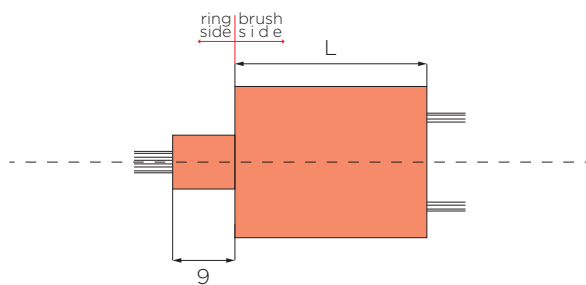
SVTS A 05



A FLANGE (STANDARD)



SVTS A 05



B FLANGE



All dimensions in millimeters, unless otherwise specified