

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

<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

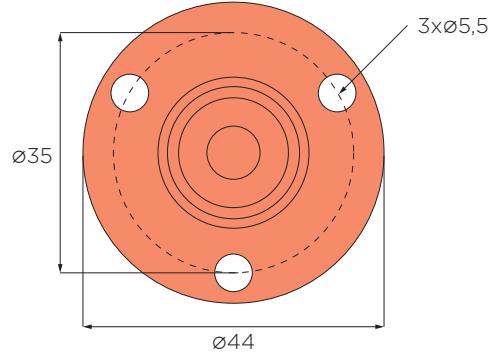
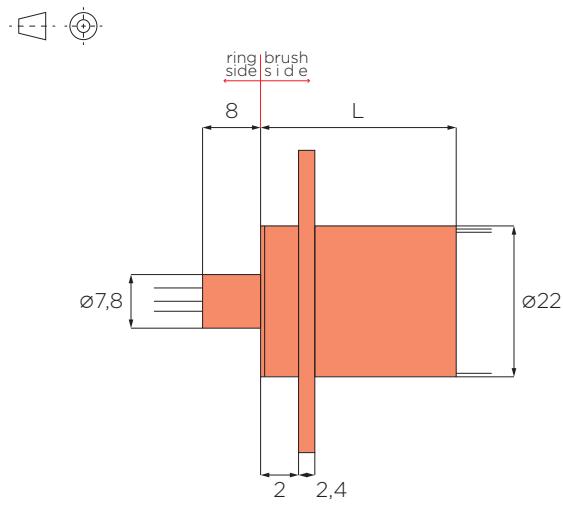
Current	4A: AWG22 6A: AWG20 8A/12A: AWG16 20A: AWG14
Voltage	240 VDC / 240 VAC
Cables	Tin plated / PTFE insulated / colour coded
Cables length	Standard: 250mm; custom cable length increase possible as multiples of 250mm
Dielectric strength	500 VAC @ 60Hz @ 60 sec
Insulation resistance	> 500 MΩ / 500 VDC
Dynamic contact resistance	< 10 mΩ
Nominal speed	250 rpm
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)

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

Customisations	Mechanical design	Flange
Cables		
Materials		

All dimensions in millimeters, unless otherwise specified



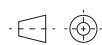
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Custom cable length increase possible as multiples of 250mm

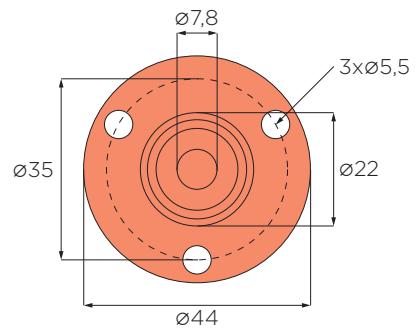
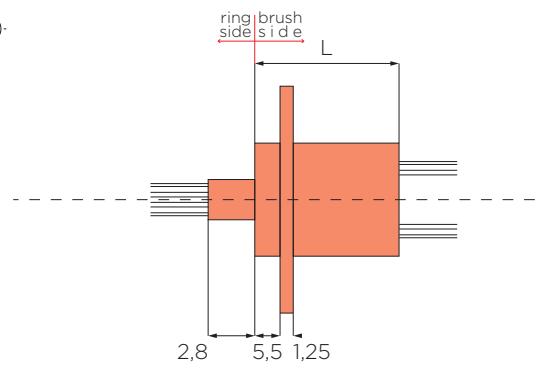


All dimensions in millimeters, unless otherwise specified

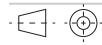
## Flange types



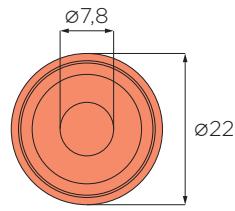
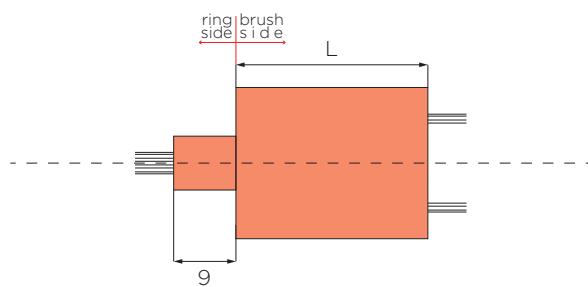
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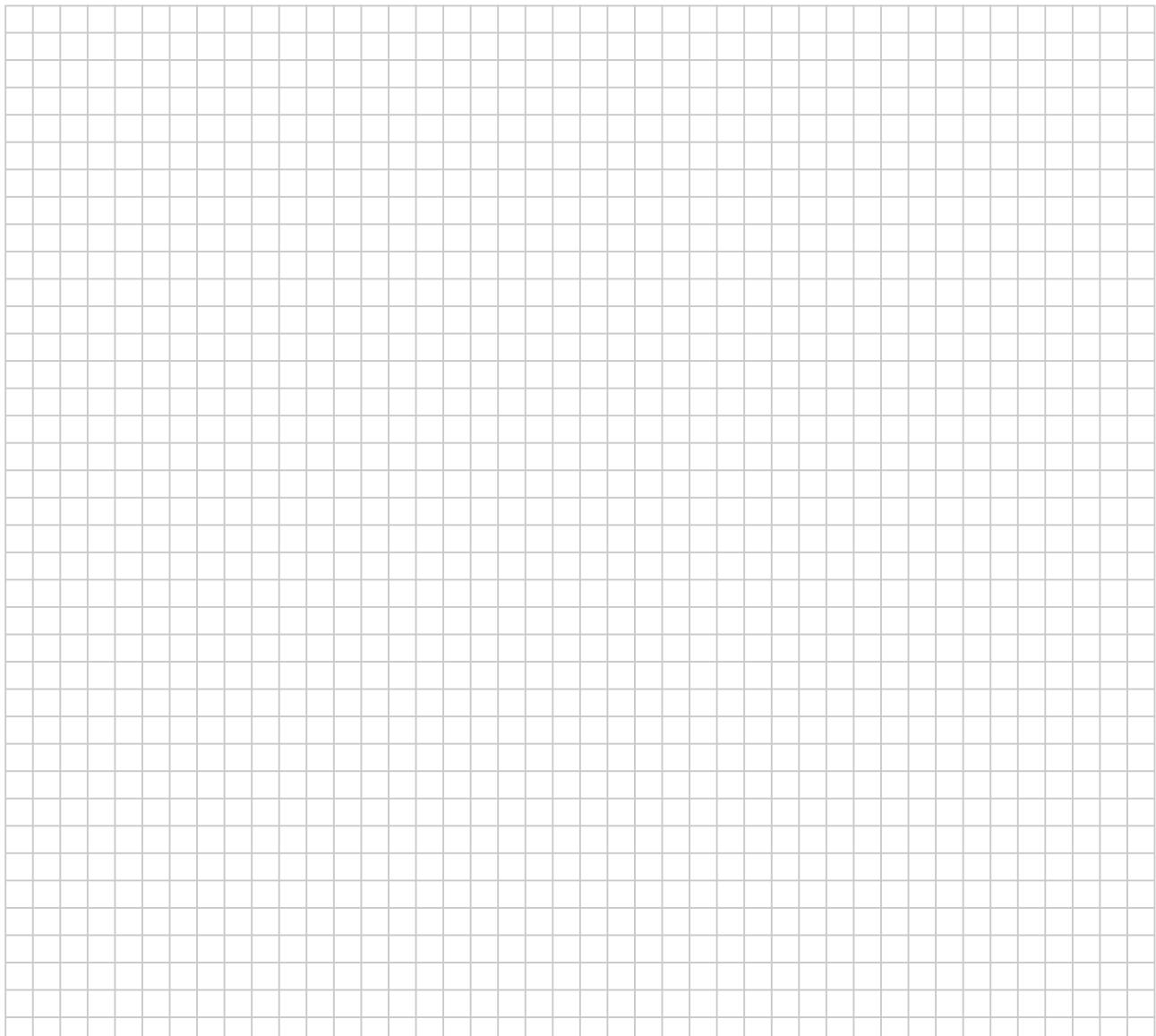
A FLANGE (STANDARD)



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B FLANGE



All dimensions in millimeters, unless otherwise specified