

# **SVTS B Series**

Terminals Slip Rings

## TERMINALS

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## Terminals Slip Rings



LONG-LIFE



IP 65



POWER & SIGNALS

The most compact solution with fibre brush technology.

Thanks to the multiple contact points, the Terminals B Series Slip Rings ensures longer life due to the low contact wear rates, while granting low contact resistance.

Specially designed for intensive use at high speed and to transmit power and sensitive signals, like thermocouple ones, these rotary joints are particularly suitable for use on flowpack packaging machines ensuring a compact and reliable solution; the use of terminals type connectors avoids the use of welds that may affect the reading of thermocouple signals.

Moreover, the IP65 version makes it washable, delivering protection against low pressure jets if watered from all directions.

## Benefits

Electrical power & signals in one unit

Compact

Long lifetime

Easy connection (Faston connectors)

Cost-effective

Water resistant (IP65)\*

## Main applications

Flowpack machines

Hose & cable reels

Medical / pharmaceutical

Packaging

Process control

Rotating tables





Converting





Wind turbines

\*Optional

## Product code (go to page 9 for the detailed coding system)

SVTS B   -  -  -   /   -     /     -   -   

B Series    Model    IP grade<sup>1</sup>    Flange type    Power circuits    Signal circuits

 Cable length (brush side)    Cable length (ring side)    Temperature range<sup>2</sup>    Special options

<sup>1</sup> IP51 [S]; IP65 [U]

<sup>2</sup> Only Standard [ST]; Extended [ET]

## Features

Current	SVTS B 01: 400 VAC / 400 VDC power circuits SVTS B 02: 400 VAC / 400 VDC
Dielectric voltage strength	500 VAC @ 60 Hz @ 60 sec
Insulation resistance	> 1000 MΩ / 500 VDC
Dynamic contact resistance	< 10 mΩ
Nominal speed	400 rpm (higher speeds, up to 600 rpm, upon request)
Bearings	High-precision stainless steel ball bearings
Housing	ABS (hard plastic)
Contact	Gold-gold (alloy)
Temperature	-20°C to +80°C
Protection	IP51; IP65*
Expected lifetime	10 <sup>8</sup> revolutions (depending on speed, environmental conditions and size)

\*Optional

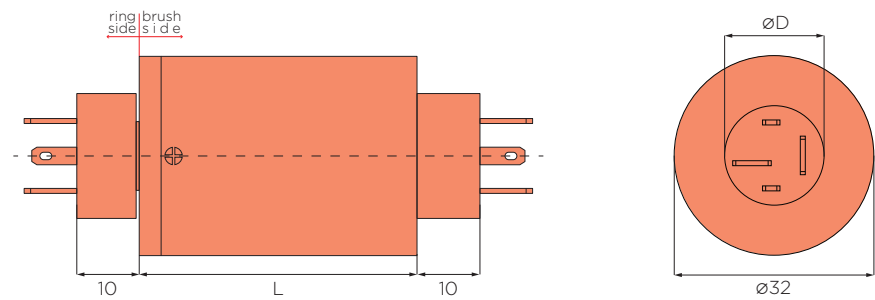
## Combinations

Electric  
Signals  
Power

## Customizations

Cables   Mechanical design   Materials

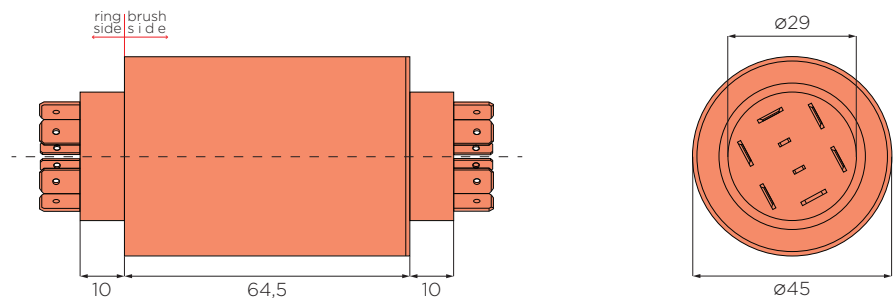
# SVTS B 01



IP65

Model	Number of circuits					Dimensions		Terminals	
	Total	Power		Signals		D	L	Fastons	
		14A	20A	2A	5A			Power	Signals
SVTS B 01	2	2	-	-	-	16	28	0.8x6.3	-
SVTS B 01-S-A-03/00	3	3	-	-	-	16	28	0.8x6.3	-
SVTS B 01-S-A-02/02	4	2	-	2	-	16	28	0.8x6.3	0.8x2.8
SVTS B 01-U-A-02/00	2	-	2	-	-	20	44,5	0.8x6.3	0.8x2.8
SVTS B 01-U-A-03/00	3	-	3	-	-	20	44,5	0.8x6.3	0.8x2.8
SVTS B 01-U-A-02/02	4	-	2	-	2	20	44,5	0.8x6.3	0.8x2.8
SVTS B 01-U-A-02/03	5	-	2	-	3	20	44,5	0.8x6.3	0.8x2.8

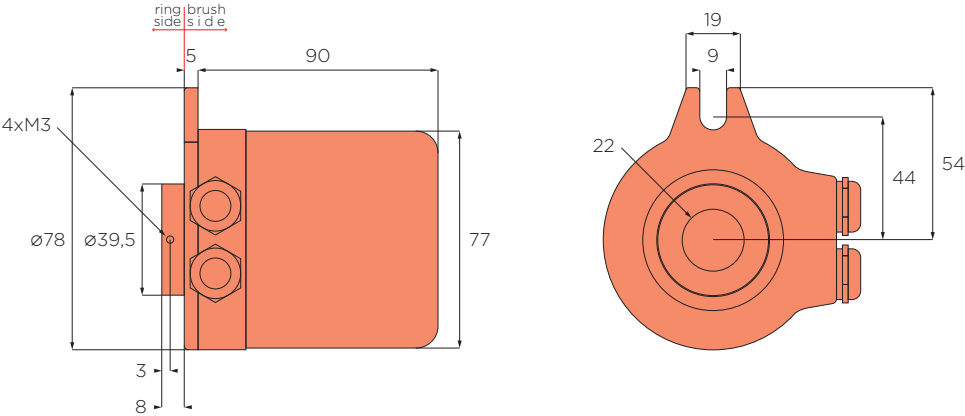
# SVTS B 02



Model	Number of circuits					Terminals	
	Total	Power		Signals		Fastons	
		14A	20A	2A	5A	Power	Signals
SVTS B 02-S-A-06/00	6	-	6	-	-	0.8x6.3	-
SVTS B 02-S-A-06/02	8	-	6	-	2	0.8x6.3	0.8x2.8

All dimensions in millimeters, unless otherwise specified

SVTS B 03



IP65 once installed

Model	Number of circuits			Terminals Screw connections
	Total	Power 20A	2A	
SVTS B 03-U-A-02/00	2	2	-	2xM5
SVTS B 03-U-A-03/00	3	3	-	3xM5
SVTS B 03-U-A-02/02	4	2	2	4xM5
SVTS B 03-U-A-03/02	5	3	2	5xM5

Notes