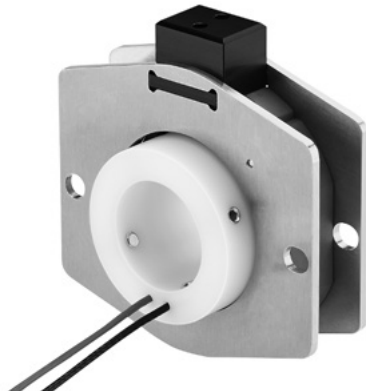


# Slip rings

<b>Modular</b>	<b>Construction system, bearingless</b>	<b>SR085B</b>
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In general slip rings are used to transmit power, signals or data from a stationary to a rotating platform.

The SR085B is a cost-effective bearingless slip ring. Its flexible modular system allows a wide range of customer-specific applications.

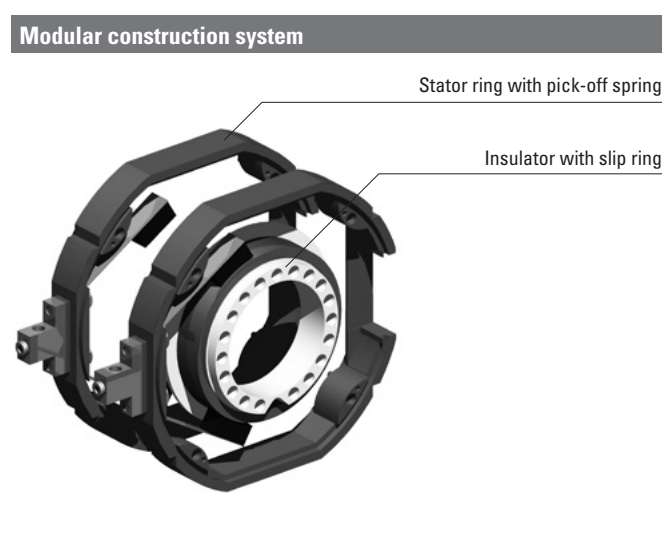
The SR085B is ideally suited for the transmission of signals, data and/or loads.

Slip rings

<h3>Flexible and slim</h3> <ul style="list-style-type: none"> <li>• Modular construction system, can be combined as desired.</li> <li>• From 33 mm mounting depth.</li> <li>• Cost-effective bearingless construction.</li> <li>• Long service life and long maintenance cycles.</li> </ul>	<h3>Applications</h3> <p>Revolving doors, rotary tables, rotary show cases, packaging machines, other low speed applications.</p>
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<b>Order code</b>	<b>SR085B</b>	<b>-XX</b>	<b>-XX</b>	<b>-1</b>	<b>0</b>	<b>X</b>	<b>-V100</b>
	Type	a	b	c	d	e	f
<b>a</b> Type of mounting	20 = hollow shaft, ø 20 mm [0.79"]	<b>b</b> Number of channels	max. 10 channels	<b>d</b> Mounting position	0 = any	<b>f</b> Version number (options)	V100 = without options
	24 = hollow shaft, ø 24 mm [0.94"]						>V100 = options on request
	25 = hollow shaft, ø 25 mm [0.98"]	<b>c</b> Max. load current	1 = 16 A, 240 V AC/DC	<b>e</b> Contact material	3 = silver / precious metal		
	30 = hollow shaft, ø 30 mm [1.18"]				5 = copper / bronze		
	34 = hollow shaft, ø 34 mm [1.34"]						
	(other options on request)						

Technical data (standard version)	
<b>Overall length</b>	dep. on the number of transmission paths
<b>Hollow shaft diameter</b>	up to ø 34 mm [1.34"]
<b>Voltage/current loading</b>	240 V AC/DC, max. 16 A
<b>Contact resistance</b>	
load channels	≤ 1 Ohm (dynamic) <sup>1)</sup>
signal / data channels	≤ 0.1 Ohm (silver / precious metal) <sup>2)</sup>
<b>Insulation resistance</b>	10 <sup>3</sup> MOhm, at 500 V DC
<b>Dielectric strength</b>	1000 V eff. (60 sec.)
<b>Speed max.</b>	200 min <sup>-1</sup>
<b>Protection acc. to EN 60529</b>	IP40
<b>Service life</b>	typ. 500 million revolutions (at room temperature) depends on installation position
<b>Maintenance cycles</b>	typ. 100 million revolutions
<b>Maintenance</b>	contact oil not required
<b>Operating temperature</b>	0°C ... +75°C [+32°F ... +167°F]



1) Voltage measurement, ambient temperature, DC series connection, ohmic load, min. 4 A test current.  
 2) 2-wire resistance measurement, ambient temperature, 6.5-digit digital multimeter or similar, values without testing cable.

# Slip rings

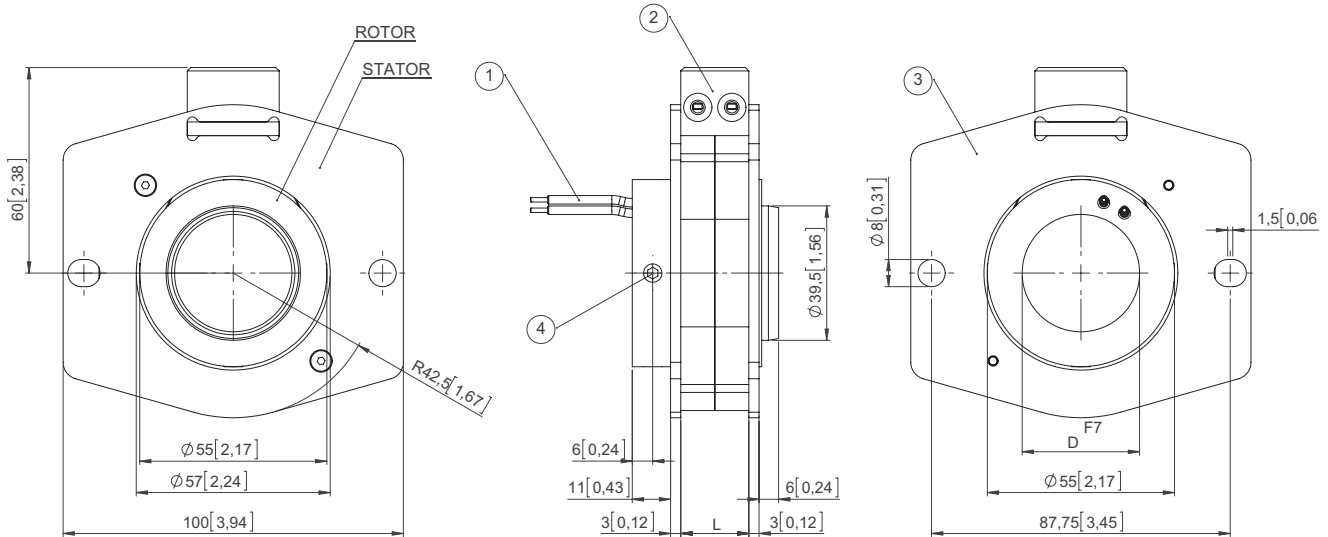
**Modular**

**Construction system, bearingless**

**SR085B**

## Dimensions

Dimensions in mm [inch]



Permitted misalignment rotor/stator  
axial = max 0.5 mm  
radial = max 0.5 mm

- 1 – Connection wires, length 1 m [3.28']
- 2 – Terminal clamp for power without wire protection, with shock-hazard touch protection
- 3 – Stator cover, mounting plate
- 4 – 4 x socket set screw DIN 914 M6

Calculation of the total length L:

Basic size: 23 mm

Additional dimension: +10 mm per channel



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