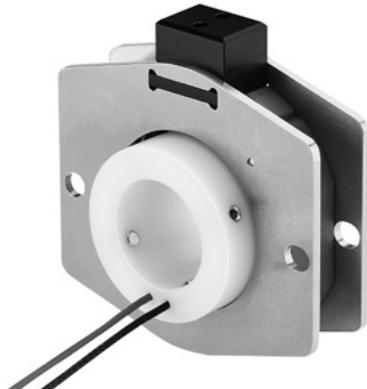


# Slip rings

<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.

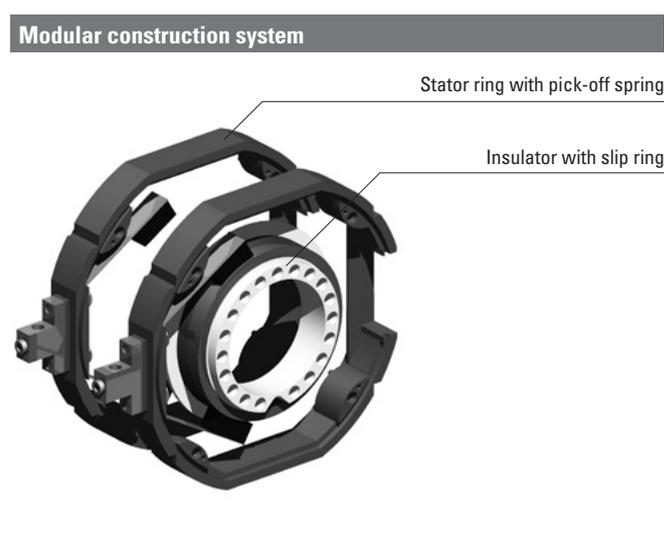
The SR085B is ideally suited for the transmission of signals, data and/or loads.

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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Order code	SR085B - XX - XX - 1 0 X - V100		
	<span style="border: 1px solid black; padding: 2px;">Type</span> <span style="border: 1px solid black; padding: 2px; margin-left: 5px;">a</span> <span style="border: 1px solid black; padding: 2px; margin-left: 5px;">b</span> <span style="border: 1px solid black; padding: 2px; margin-left: 5px;">c</span> <span style="border: 1px solid black; padding: 2px; margin-left: 5px;">d</span> <span style="border: 1px solid black; padding: 2px; margin-left: 5px;">e</span> <span style="border: 1px solid black; padding: 2px; margin-left: 5px;">f</span>		
<b>a</b> <i>Type of mounting</i> 20 = hollow shaft, ø 20 mm [0.79"] 24 = hollow shaft, ø 24 mm [0.94"] 25 = hollow shaft, ø 25 mm [0.98"] 30 = hollow shaft, ø 30 mm [1.18"] 34 = hollow shaft, ø 34 mm [1.34"] (other options on request)	<b>b</b> <i>Number of channels</i> max. 10 channels  <b>c</b> <i>Max. load current</i> 1 = 16 A, 240 V AC/DC	<b>d</b> <i>Mounting position</i> 0 = any  <b>e</b> <i>Contact material</i> 3 = silver / precious metal 5 = copper / bronze	<b>f</b> <i>Version number (options)</i> V100 = without options >V100 = 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]



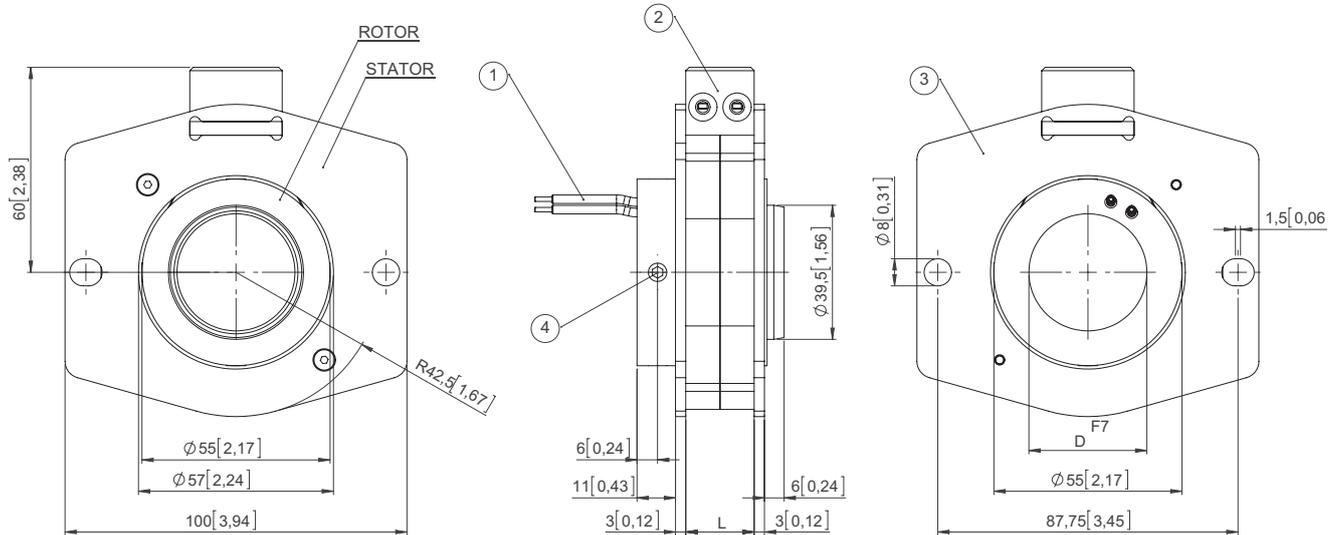
1) Voltage measurement, ambient temperature, DC series connection, ohmic load, min. 4 A test current.  
 2) 2-wire resistance measurement, ambient temperature, 6.5-digit digital multimeter or similar, values without testing cable.

# 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