

# Connection Technology

## Slip rings IST-SR060



In general slip rings are used to transmit power, signals or data, pneumatic and hydraulic, from a stationary to a rotating platform.

The transmission between the stator and rotor units occurs extremely reliably via sliding contacts.

The SR060 is a compact, economical slip ring for up to 3 load and 2 signal transmissions from a stationary to a rotating platform.

<p><b>Compact</b></p> <ul style="list-style-type: none"> <li>• Dimensions 60 x 98 mm</li> <li>• Can be used as a pair starting from just 60 mm shaft distance of the sealing rollers</li> <li>• Various component configurations for the transmission paths, max. 3 x load and 2 x signal transmission</li> </ul>	<p><b>Efficient</b></p> <ul style="list-style-type: none"> <li>• Economical – thanks to minimization of individual components, favourable mounting and component part design to suit</li> <li>• Fully encapsulated in high-grade glass reinforced plastic housing shells</li> <li>• Ideally suited for the heating of sealing drums (rollers) in packaging machines</li> </ul>
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**Application areas for Slip Rings**

<ul style="list-style-type: none"> <li>• Packaging machines</li> <li>• Textile machines</li> <li>• Robots and handling equipment</li> <li>• Cranes</li> <li>• Pipeline inspection</li> </ul>	<ul style="list-style-type: none"> <li>• Video surveillance equipment (CCTV)</li> <li>• Fairground rides</li> <li>• Bottling plants</li> <li>• Rotary tables</li> </ul>
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<b>Order code</b> <small>for standard versions</small>	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px;">IST</td> <td style="padding: 2px 10px;">- SR060</td> <td style="padding: 2px 10px;">- XX</td> <td style="padding: 2px 10px;">- X</td> <td style="padding: 2px 10px;">- X</td> <td style="padding: 2px 10px;">- V01</td> </tr> <tr> <td></td> <td style="text-align: center;"><small>Type</small></td> <td style="text-align: center;"><small>a</small></td> <td style="text-align: center;"><small>b</small></td> <td style="text-align: center;"><small>c</small></td> <td style="text-align: center;"><small>d</small></td> </tr> </table>	IST	- SR060	- XX	- X	- X	- V01		<small>Type</small>	<small>a</small>	<small>b</small>	<small>c</small>	<small>d</small>
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	<small>Type</small>	<small>a</small>	<small>b</small>	<small>c</small>	<small>d</small>								
<p><b>a</b> <i>Hollow shaft diameter</i></p> <p>18 = ø 18 mm          20 = ø 20 mm          22 = ø 22 mm          24 = ø 24 mm          25 = ø 25 mm (other diameters on request)</p>	<p><b>b</b> <i>Number of signal transmission paths</i> (max. 2)</p> <p><b>c</b> <i>Number of load transmission paths</i> (max. 3)</p> <p><b>d</b> <i>Version number V01</i> Standard</p>												

**Accessories**

<b>Maintenance set</b>	comprises brush and contact oil for signal contacts	<b>IST-MS-01</b>
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**Easily accessible connections**



## Connection Technology

### Slip rings

IST-SR060

Technical Data (standard version)	
<b>Hollow shaft diameter</b>	up to max. $\varnothing$ 25 mm
<b>Voltage/current loading</b>	load channels 240 V AC/DC, max. 16 A signal channels 48 V AC/DC, max. 2 A
<b>Contact resistance</b>	load channel $\leq 1$ Ohm signal channel $\leq 0,1$ Ohm
<b>Insulation resistance</b>	$10^3$ Ohm (at 500 V DC)
<b>Dielectric strength</b>	1000 V eff. (60 sec.)
<b>Speed</b>	max. 500 min <sup>-1</sup>
<b>Operating temperature</b>	0° ... 75°C
<b>Protection</b>	IP 50
<b>Service life</b>	typ. 500 Mio. revolutions (depends on the application conditions)
<b>Maintenance cycles</b>	after max. 50 Mio. revolutions
<b>Standards</b>	VDE 0110 and VDE 0295/6.92

### Dimensions

