

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

<ul style="list-style-type: none"> • Packaging machines • Textile machines • Robots and handling equipment • Cranes • Pipeline inspection 	<ul style="list-style-type: none"> • Video surveillance equipment (CCTV) • Fairground rides • Bottling plants • Rotary tables
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Order code <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>a <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 <i>Number of signal transmission paths</i> (max. 2)</p> <p>c <i>Number of load transmission paths</i> (max. 3)</p> <p>d <i>Version number V01</i> Standard</p>												

Accessories

Maintenance set	comprises brush and contact oil for signal contacts	IST-MS-01
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Easily accessible connections



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

Dimensions

