Slip rings



Compact Low-maintenance SR060E In general slip rings are used to transmit power, signals or data from a stationary to a rotating platform. In general slip rings are used to transmit power, signals or data from a stationary to a rotating platform. The SR060E is a compact, economical slip ring for up to 3 power and 2 signal transmissions.

New innovative contact materials ensure long service life and extremely low-maintenance operation. The round shape with smooth surfaces and high protection level allows easy cleaning.

Compact

- 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.
- Easily accessible connections.
- Load current up to 20 A.

Low-maintenance

- Maintenance cycles only every 100 million revolutions.
- No contact oil required.
- · Easy cleaning high protection level IP64.

Applications for slip rings

Flowpack and blister packaging machines, robots and handling equipment, rotary tables

SR060E |XX|-|X|-|X|-|X|X|2|-|V100 Order code C 000 for standard versions Туре a b 9 a Hollow shaft **b** Number of Protection **d** Max. load current e Contact material 20 = ø 20 mm [0.79"] signal / data channels 0 = no load channels signal / data channels 2 = IP64 21 = ø 21 mm [0.83"] 1 = 16 A, 240 V AC/DC 0 or 2 0 = no signal / data channels 22 = ø 22 mm [0.87"] 2 = 20 A, 240 V AC/DC 3 = silver / precious metal **9** Version number (options) 24 = ø 24 mm [0.94"] G Number of V100 = without option > V100 = option on request 25 = ø 25 mm [0.98"] load channels IN = ø 1 inch 0, 2 or 3

(other diameters on request)

up to max. ø 25 mm [0.98"]	
240 V AC/DC, 50/60 Hz, max. 16 A	
240 V AC/DC, 50/60 Hz, max. 20 A	
(order option 🛈 = 2)	
48 V AC/DC, 50/60 Hz, max. 2 A	
≤ 1 Ohm (dynamic) ¹⁾	
≤ 0.1 Ohm (silver / precious metal) ²⁾	
10 ³ MOhm (at 500 V DC)	
1000 V eff. (60 sec.)	
500 min ⁻¹	
< 0.2 Nm	
flat pin 6.3 x 0.8 mm	
flat pin 2.8 x 0.8 mm	
M5 connection screws	
M4 connection screws	

Service life	typ. 500 million revolutions (at room temperature)
	depends on installation position
Maintenance cycles	first maintenance after 50 million revolutions, all further maintenance intervals after 100 million revolutions
Maintenance	contact oil not required
Material pairing	
load channels	copper / bronze
signal / data channels	silver / precious metal
Operating temperature	0°C +75°C [+32°F +167°F]
Protection acc. to EN 60529	IP64

 Voltage measurement, ambient temperature, DC series connection, ohmic load, min. 4 A test current.

 2-wire resistance measurement, ambient temperature, 6.5-digit digital multimeter or similar, values without testing cable.

1

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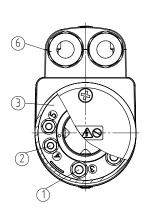
Low-maintenance

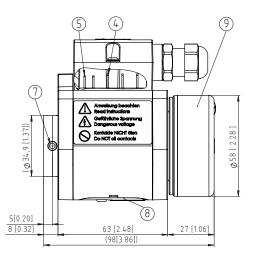
SR060E

Kübler

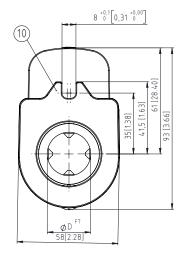
Compact

Dimensions Dimensions in mm [inch]





- 1 Screw terminal M5 for load transmission (rotor)
- 2 Screw terminal M4 for signal transmission (rotor)
- 3 Rotating connection ring
- 4 Flat pin connection for power transmission
- 5 $\,$ Flat pin connection for signal transmission
- 6 Protective cover for the stator connections with cable gland M16x1.5
- 7 4 x socket set screw DIN 914 M6x8



- 8 Maintenance window
- 9 Protective cover for rotation connections
- 10 Torque stop

Mating connector for blade receptacles (recommendation)

Blade receptacles	Mating connector	Order no.
2.8 x 0.8 mm	0.5 1.0 mm ²	160626-2
6.3 x 0.8 mm	1.0 2.5 mm ²	2-160304-4

Additional insulation by insulating sheath (2.8 or 6.3 mm) possible.

2