

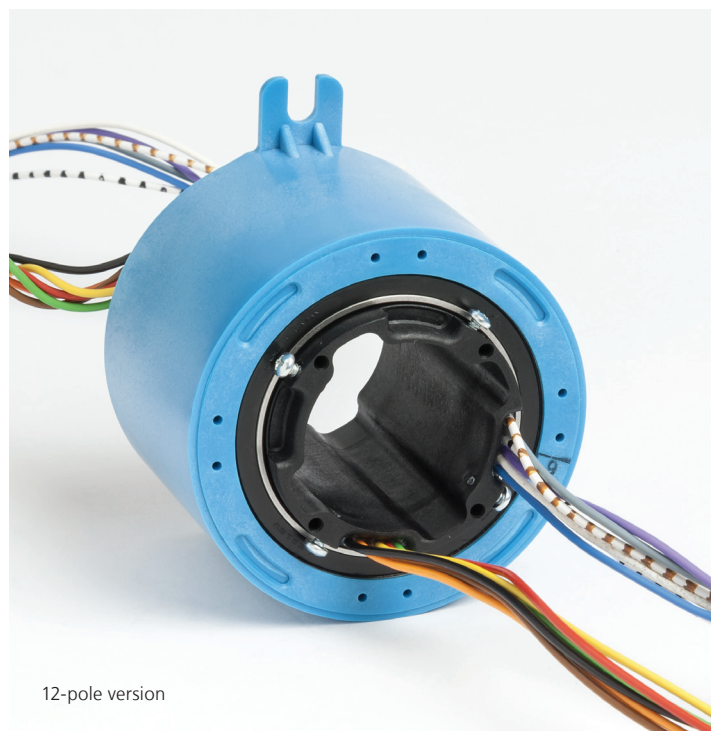


SLIP RING  
SC 104

## FACTS

- 6, 12, 18 or 24 rings for max. 10 A
- 500 V<sub>AC</sub> per ring
- Outer diameter 104 mm
- Hollow shaft diameter 50 mm
- Max. 400 min<sup>-1</sup>

The system is maintenance free for up to 50 million rotations (depending on rotation speed and environmental conditions).



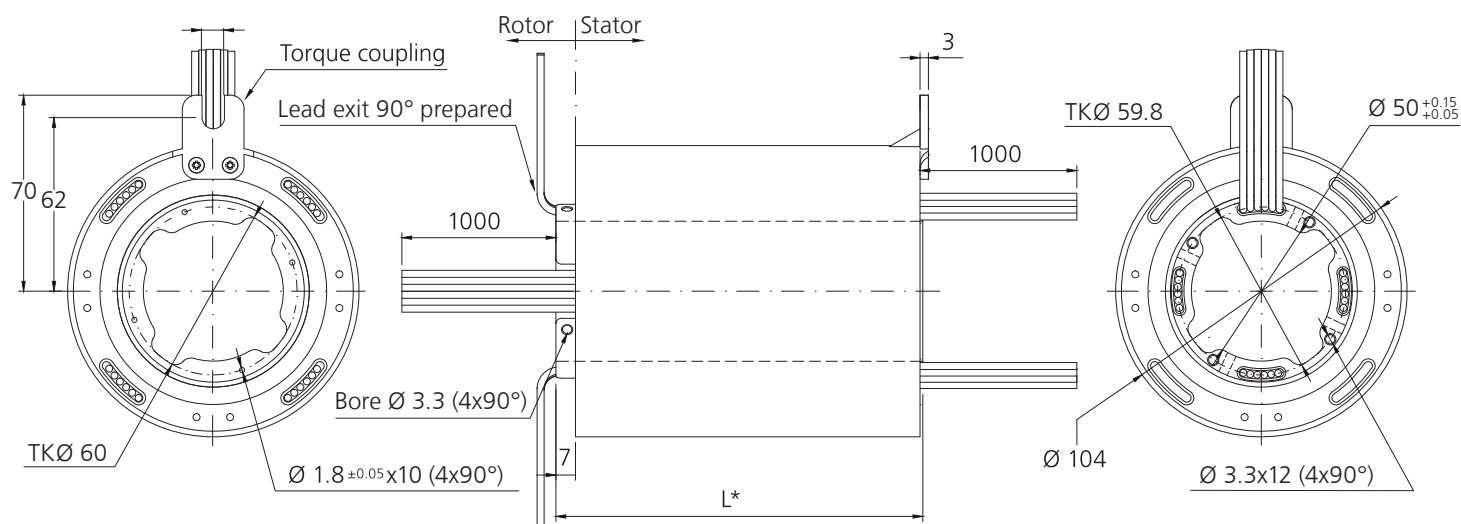
12-pole version

## ELECTRICAL DATA

Number of rings:	6, 12, 18 or 24
Current:	max. 10 A per ring
Voltage:	500 V ~ EN60664-1 (VDE0110)
Test Voltage:	1500 V <sub>AC</sub> (60 Hz) between all rings
Insulation resistance:	1000 MΩ at 500 V <sub>DC</sub>
Noise:	20 mΩ at 5 min <sup>-1</sup>

## MECHANICAL DATA

Speed:	max. 400 min <sup>-1</sup>
Protection class:	IP 54
Temperature:	-40 °C ... +80 °C (-40 °F ... +176 °F)
Connection:	1000 mm leads; AWG 16 - leads (1,23 mm <sup>2</sup> ) PVC
Bearings:	precision steel ball bearings with seals
Housing:	fibre-reinforced plastics



Number of rings	6	12	18	24
L* (mm)	59	83	107	131



SLIP RING

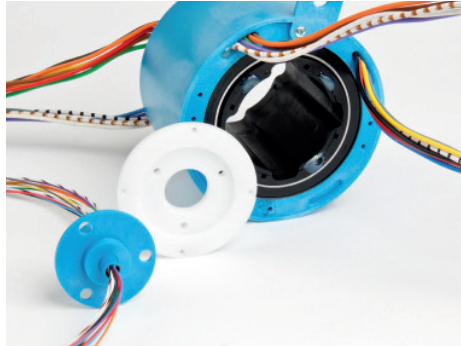
SC 104



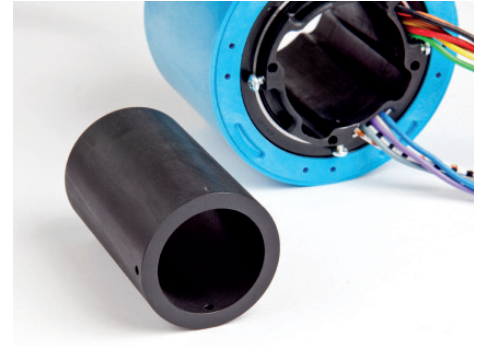
## ACCESSORIES ON REQUEST

- Adapter for slip ring SC020
- Shaft bushing (Inner diameter: 1,5"/ 38,1 mm)

\* Extension by slip ring SC020 for additional channels, rotational speed max. 250 min<sup>-1</sup> (see data sheet SC020).

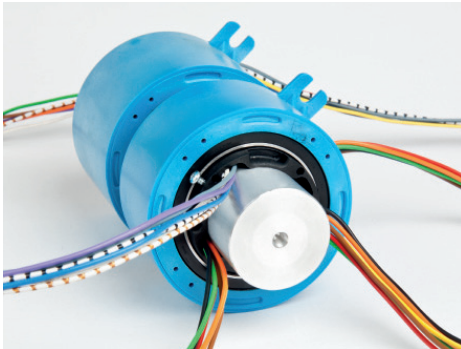


\*Combination with slip ring SC020

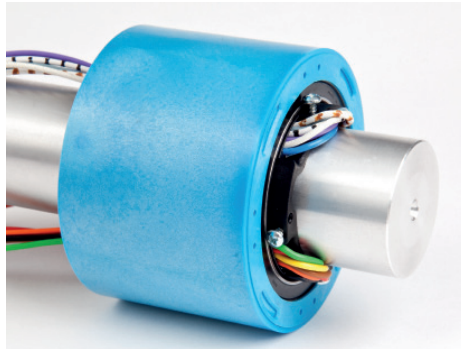


Shaft bushing (smaller inner diameter)

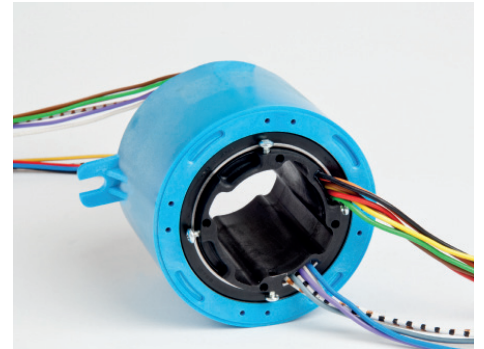
## VARIANTS



Combination 2 systems SC104



Cable led out one-sided



Torque arm shifted by 90°

The SC104 is a standard slip ring with exceptionally durable industrial bearings. With additional slots for axial cable routings, it can be applied modularly as combination of up to three 12-pole-systems with 36 rings max. The torque support can be placed at the front or back side of the housing and with flexibility of 90°. All models are equipped with 1 meter lead wires, lead exit optionally on one side of the housing - to turn them on 0°, 90°, 180° and 270°.

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Subject to change without prior notice. Issued 06/2015