

## Main Features

- **Housing** In aluminium
- **Positioning** Vertical axis
- **Connections** Rings wired with 2 m. long cable
- **Cable entry** To connect rings to the clamp, through the tube and to the brush-holders cable entry through the M 20
- **Brushes** 10 A copper-graphite brushes
- **Executions** From 6 to 24 rings 10 A
- **Armonized rules** 2014/35/UE - 2014/30/UE - 2006/42/CE – RoHS 2011/65/UE
- **Marking** CE



## Electrical Features

- **Nominal voltage** 400 V ac - dc
- **Nominal current** Ith 10 A
- **Protection degree** IP 65
- **Max rotating speed** 100 revs / min
- **Test voltage** 2 kV
- **Operating temperature** - 20 °C ÷ + 60 °C

## Standard Series

10 A		
Articoli	No. Anelli	H - mm
<b>G PRR A6</b>	6	135
<b>G PRR A10</b>	10	135
<b>G PRR A16</b>	16	160
<b>G PRR A20</b>	20	200
<b>G PRR A24</b>	24	200

Accessories available upon request:

- Absolute Encoder
- Passage for air

## For Your Safety

The ROLLER slipring has to be installed only by qualified personnel in compliance with current safety standards. Power to the machine must be turned off before carrying out cabling. Connections are to be made in compliance with the wiring scheme of the controlled equipment. After installation has been completed, the installer is required to check that all commands are working properly. Avoid prolonged contact with oils and acids when using the equipment, as these may damage the products.

**1)** Using the locknuts (Ref. 27), attach the central pipe (Ref. 12) to a minimum 3 mm thick plate with a central hole of  $\varnothing 40.5$  mm. As an alternative the central pipe (Ref. 12) can be attached to a plate with a threaded hole of  $\varnothing 40$  mm, 1.5 mm pitch using the locknuts as jam nuts (Ref. 27).

**2)** Rotation is achieved thanks to  $\varnothing 10$  mm pivot (Ref. 24) situated on the base (Ref. 10) at a distance of 125 mm from each other. We recommend the coupling to be made with slack to take up any possible runout during rotation. Rotation can also be achieved by attaching the base (Ref. 10) using the pivot (Ref. 24) situated on the plate, thus enabling the central pipe to rotate by (Ref. 12) thanks to a suitable coaxial joint.

**3)** The cables are connected to the brushes through the cable entries M20 (Ref. 26). Please ensure that the wires do not interfere with any moving parts. The cables connected to the rings protrude from the central pipe by approx 2mt (Ref. 12) Longer cables are available upon request.

**4)** Please check the equipotential of any surfaces not generally recommended to be used under tension, and the ground connection using the cables provided.

A programme of periodical maintenance is required to be carried out to ensure that the ROLLER slipring is kept in perfect working order. All maintenance is to be effected by qualified personnel using only original spare parts. Any defective or altered parts must be replaced promptly, even outside the maintenance schedule, as they could impact on the safety of the device. In particular:

**1)** Disconnect from power source and wait until the internal parts have cooled down.

**2)** Remove the cover (Ref. 5).

**3)** Blade brushes execution : check the brushes and rings for wear and tear.

**4)** Copper-graphite brushes execution : remove copper-graphite dust with dehumidified compressed air or a clean brush.

**5)** Check tightness of cables.

**6)** Check that the cover seal is in good condition.

**7)** Replace cover (Ref. 5). Please note that the guarantee does not cover any equipment whose parts have been modified and tampered.

## Dimensions

