Technical Sheet
Sliprings Type ROLLER

Main Performances

Housing	In aluminium
Positioning	Vertical axis
Connections	Rings cabled with 2 m long cable
Cable entry	Inside the fastener pipe for the rings and through the side M20 cable entries for the brush holders
Brushes	10 A graphite
Executions	From 6 to 24 rings 10 A
Armonized rules	EN 60947 - 5 - 1 EN 60529 2014/35/UE - 2014/30/UE - 2006/42/CE
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 Types

Type	10 A N.° rings	H = mm *
G PRR A6	6	135
G PRR A10	10	135
G PRR A16	16	160
G PRR A20	20	200
G PRR A24	24	200

Accessories

Availability on demand:

- Absolute Encoder
- Passages for air

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Installation and Wiring

The ROLLER slipring has to be installed only by qualified personnel in compliance with current safety standards. Power to the machine must be switched 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 Ø 40,5 mm. As an alternative the central pipe (Ref. 12) can be attached to a plate with a threaded hole of Ø 40 mm, 1.5 mm pitch using the locknuts as jam nuts (Ref. 27).
2) Rotation is achieved thanks to 1 Ø 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 2 m (Ref. 12). Longer cables are available upon request.
4) Please check the equipotential of any surfaces not generally recommended \to be used under voltage, and the ground connection using the cables provided.

Maintenance

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.

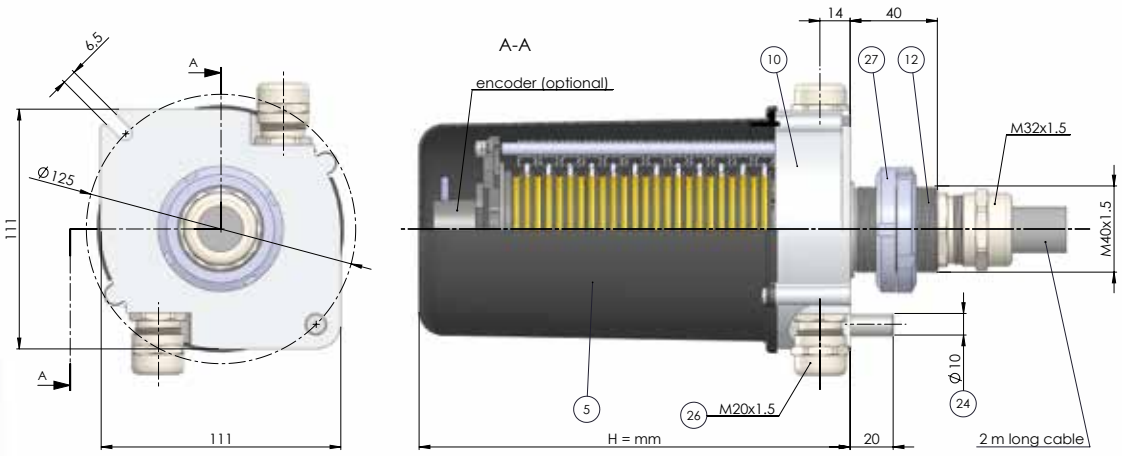
In particular:

1) Disconnect from power source and wait until the internal parts have cooled down.
2) Remove the cover (Ref. 5).
3) Check the brushes for wear and tear, and check that they adapt properly to the rings.
4) Remove copper-graphite dust with de-humidified 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.

RAVIOLI declines any responsibility for damage deriving from incorrect installation or use of the product.

Dimensions



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MOD.3.30en/03_2015