

Installation and Wiring

The PRS 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. 11), attach the central pipe (Ref. 3) to a minimum 3 mm thick plate with a central hole of $\varnothing 48.5 \div 52.5$ mm (using the reducing cable clip on the nuts). As an alternative the central pipe (Ref. 3) can be attached to a plate with a threaded hole of $\varnothing 48$ mm, 1.5 mm pitch using the locknuts as jam nuts (Ref. 11).
- 2) Rotation is achieved thanks to 2 $\varnothing 10$ mm pivots (Ref. 8) situated on the base (Ref. 1) at a distance of 160 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. 1) using the two pivots (Ref. 8) situated on the plate, thus enabling the central pipe to rotate by (Ref. 3) thanks to a suitable coaxial joint.
- 3) The cables are connected to the brushes through the pipe union PG21 (Ref. 24). Please ensure that the wires do not interfere with any moving parts. The rings are connected to the terminal board through the central pipe (Ref. 3).
- 4) Please check the equipotential of any surfaces not generally recommended to be used under tension, and the ground connection using the cables provided.

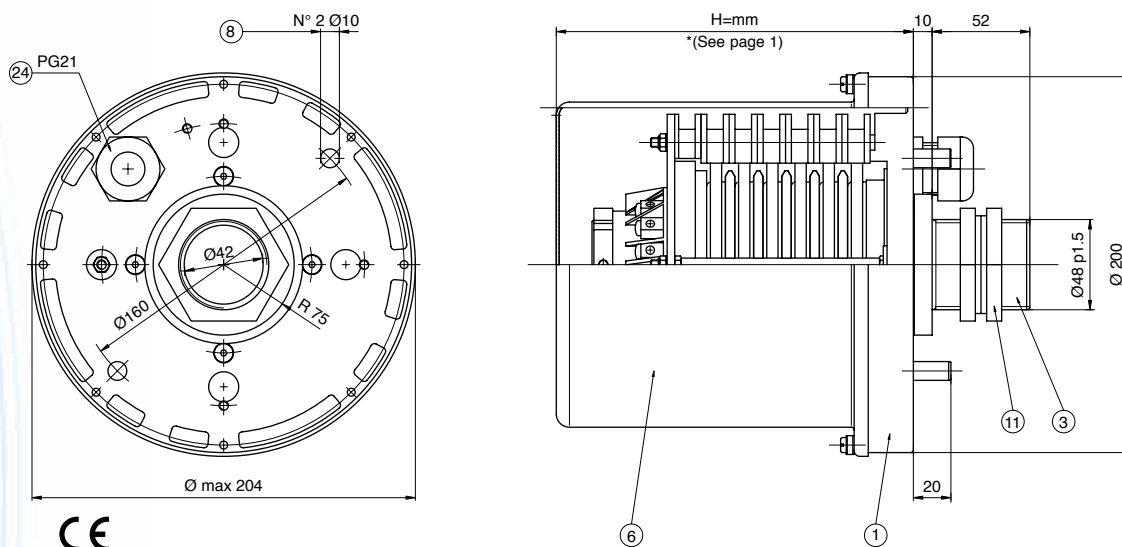
Maintenance

A programme of periodical maintenance is required to be carried out to ensure that the PRS 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. 6).
- 3) Copper-graphite brushes execution : check the brushes for wear and tear, and check that they fit properly to the rings. 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. Blade brushes execution : remove dust or grease and grease again with a suitable lubricant.
- 5) Check tightness of cables.
- 6) Check that the cover seal is in good condition.
- 7) Replace cover (Ref. 6).

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



CE