

SPY



## MECHANICAL FEATURES

<b>Socket body:</b>	Low copper content aluminium alloy, complete with wall fastening lugs and threaded socket closure cap attached to body with a safety chain
<b>Lid:</b>	Screw fastened, aluminium alloy with low copper content. Used to access socket and make electrical connection
<b>Plug:</b>	Low copper content aluminium alloy, complete with colour coded plastic lock rings to identify the mains power supply voltage
<b>Pins:</b>	Nickel-plated brass
<b>Gaskets:</b>	Acid, hydrocarbon and high temperature resistant silicon positioned between the body and the lid
<b>Certificate label:</b>	Adhesive affixed to external surface
<b>Screws:</b>	Stainless steel
<b>Earth screw:</b>	M5 outdoor and indoor
<b>Coating:</b>	Polyester RAL 7035 (Light grey)
<b>Threaded entry points:</b>	One upper and one lower Ø 1" or 3/4"

### Resistenza alla corrosione:

The STANDARD of the aluminium alloy used by Cortem has passed the tests required by standards EN60068-2-30 (hot-humid cycles) and EN60068-2-11 (salt fog test)

**Safety system:** The sockets have an interlocked disconnect switch with plug. The rotary movement together with the closing/opening operations which occur inside a special explosion-proof chamber ensure any explosion in the presence of gas is contained. The electrical circuit is connected only after the SPY series plug has been correctly inserted into its seat, and ensures it can only be removed once the electrical circuit has been disconnected.

These sockets are unique in that they can be equipped with **SPY series** plugs which can also be used with industrial solder type sockets. This feature is unique to the Cortem Group, and is designed to allow the user to keep a limited stock of spare parts compared to competitor sockets which do not have this specification. In fact, the position of the phase and earth pins, together with the coloured lock rings which comply with the colour code required by IEC/EN 60309-2 for industrial sockets and plugs, identify them according to the power supply voltage and current used.

For a better understanding, we have included the earth pin (PE) positioning drawing and relative colours, in compliance with IEC/EN 60309-2, for voltages greater than 50V.

