

Declaration to EC-Directive 2011/65/EC (RoHS-II)
and 2015/863/EC (RoHS-III)

Villingen, January 2021

EC-Certificate of Conformity RoHS

Our solenoids (object declared) meet the requirements of the EC-directives 2011/65/EC (RoHS-II) and the further applicable directive 2015/863/EC (RoHS-III) about the limitation of usage of particular hazardous substances in electric and electrical devices.

We confirm that materials used in parts of our solenoids are compliant to RoHS-II und RoHS-III regulations and do not exceed the maximum admissible concentration limits.

The following listing shows a review about the materials used in our solenoids.

Plastic parts: (coilbody, insulation materials, etc.)	contain partially bromine flame retardant to declare, but all together below the maximum volume share (0,1%) of the EC-directives mentioned above. (declarations of conformity can be handed out on demand)
Metallic materials:	machining steel (steel, brass) sheet steel (plates or tubes) partly leaded up to 0,3% *) copper wire, litz wires and contact terminals
Bearing materials:	PTFE-coated steel bushings (lead-free) or brass bushings
Coating on steel parts:	zinc coating chromated blue (Chrom VI free)
Coating on plunger: (alternatively)	chemical nickel coating or MKS**) coating with PTFE inclusions **) Mikrolayer-Korrosions-System

*) the below mentioned materials apply in accordance to the exceptions specified in the appendix III or IV of the EC-directive 2011/65/EC:

- **Machining steel:** as alloy composition up to 0,35% volume share RoHS-compliant acc. appendix III para. 6a. (turned parts are successively replaced by lead-free steel since middle of the year 2020)

This Declaration of Conformity will be checked and updated if relevant changes within the directive or by usage of new materials will have effects on this statement. A status quo of this declaration is always available for download at our internet site. For further information we will be glad to be at your disposal.

W. Oberecker GmbH
Elektromagnete

Villingen-Schwenningen, January 2021
signed by Andreas Oberecker (CEO)

Note: As a non-autonomous working device our solenoids do not meet the EC-marking-directive. Therefore, the operator/user has to apply the directive in his application accordingly!