

## Declaration of conformity

2011/65 EU RoHS2 and (EU) 2015/863 (RoHS)  
ElektroG (from 15.08.2018)

**PAH** (polycyclic aromatic hydrocarbons) EC 1272/2013  
Amendment XVII of Regulation (EC) No 1907/2006 (REACH)  
**PFOS** (perfluorooctanesulfonates) 2006/122 / EC (from 12.12.2006)  
**DMF** (biocide dimethyl fumarate) (from 01.05.2009)  
**REACH** "Registration, Evaluation and Authorization of Chemicals"

### ElektroG (RoHS) incl. 2011/65 EU RoHS2 and EU 2015/863 (RoHS)

Subsequent substances are not used as feedstocks or additives, respectively the maximum permissible concentrations are complied with:

- Lead (0.1%)  
*[According to EU Directive 2018/740, Article 1, are according to 2011/65 EU, appendix III, section 6b Annex 6b, a maximum of 0.4% lead may be present in aluminum alloy / valid until Juni 2024.]*
- Mercury (0.1%)
- Cadmium (0.01%)
- Chromium VI (0.1%)
- Polybrominated biphenyls / PBB (0.1%)
- Polybrominated diphenyl ethers / PBDE (incl. DecaBDE, octaBDE, pentaBDE) (0.1%)
- Di (2 ethylhexyl) phthalate / DEHP (0.1%)
- Butylbenzyl phthalate / BBP (0.1%)
- Dibutyl phthalate / DBP (0.1%)
- Diisobutyl phthalate / DIBP (0.1%)

#### 1. ROSE housing materials

All ROSE housing materials and accessories comply with the ElektroG.  
Special versions with EMC copper conductive coating, aluminum or Cr.Ni. vaporization are free of prohibited substances.

#### 2. Membrane keyboards / system solutions

All ROSE front foils, membrane keyboards in silver foil technology and copper-clad foil keyboards without plugs, soldered LEDs, electronic components and displays have been manufactured in compliance with the ElektroG since **01.01.2005**.

Membrane keyboards in Leitsilver technology and LEDs also meet the ElektroG.

Since **01.10.2005** all soldering processes are lead-free for electro-compliant assembly of Membrane keyboards with LEDs, electronic components and displays on printed circuit boards and polyester base film are executed.

Prerequisite for an electro-compliant design is that by the client prescribed electronic components compliant ElektroG are available for lead-free assembly.

ROSE Systemtechnik GmbH  
Erbeweg 13-15  
D-32457 Porta Westfalica

Postfach 1362  
32439 Porta Westfalica  
Telefon (0571) 5041-0  
Telefax (0571) 5041-159  
eMail rose@rose-pw.de  
Internet www.rose-systemtechnik.com



A Phoenix Mecano Company

For new and repeat orders with existing designs / design, the client must determine whether a lead-free assembly with electronic components compliant with ElektroG is required and whether these components are available.

In the case of a conversion (change, redesign) requested by the client, approval samples for the release examination are required upon agreement.

#### PAH (polycyclic aromatic hydrocarbons)

PAH according to Regulation (EC) 1272/2013 of 6 December 2013 amending Annex XVII of the Regulation (EC) No. 1907/2006 (REACH)

The raw materials we use to manufacture our products **do not** contain these compounds.

#### DMF (biocide dimethyl fumarate)

At the end of March 2009, the EU Commission banned the placing on the market of products containing the biocide dimethylfumarate (DMF) from 1 May 2009 onwards. Its concentration must in future not be higher than 0.1 mg per kg of the weight of the product or of the product part.

The raw materials we use do not contain these compounds.

#### PFOS (perfluorooctanesulfonates)

The raw materials, semi-finished products or products used by us do not use PFOS or PFOS in non-admissible quantities above the limits specified in the EU Directive 2006/122 / EC.

#### REACH

As a "down stream user" we will fulfill all requirements set by the REACH regulation and ensure the resulting delivery security.

All products supplied by us are not products within the meaning of the REACH regulation; there is no obligation to register for these. Accordingly, ROSE Systemtechnik GmbH is not obliged to undertake independent registrations or activities within the meaning of REACH. The addressees of the REACH regulation are primarily the manufacturers or importers of the polymers.

A key objective of REACH is the safe use of substances and products as well as the transmission of relevant information within the supply chain.

Based on our current knowledge, our polymers are REACH compliant and will continue under REACH.

In our own interest and in the interests of product safety, we pursue the implementation of REACH.

**ROSE Systemtechnik GmbH**  
**Erbeweg 13-15**  
**D-32457 Porta Westfalica**

Postfach 1362  
32439 Porta Westfalica  
Telefon (0571) 5041-0  
Telefax (0571) 5041-159  
eMail rose@rose-pw.de  
Internet www.rose-systemtechnik.com



A Phoenix Mecano Company

After the pre-registration phase of the pre-suppliers we will start with the exchange of information concerning the users and applications of our customers.  
We will contact you as needed in this regard.

## **REACH**

### **Info Absence of SVHC substances according to Article 59 of the ECHA Regulation (EC) No. 1907/2006 REACH**

for our plastic, aluminum, polyester standard enclosures & cable glands.

The polymers used by us contain no substances according to the **ECHA list REACH SVHC 205 of 16<sup>th</sup> January 2020** in a concentration of more than 0.1% by mass.

Although the substances listed above are not used or supplied, it cannot be excluded that, negligibly, small traces - among others - due to impurities in the components used in production or through the production process could be obtained. Since the presence of the substances listed under normal conditions is not expected, their absence was not analytically controlled.

- **This Declaration of Conformity applies only to ROSE standard catalog articles.**
- **A separate coordination with us is absolutely necessary for all customer-specific special designs!**

ROSE does not refer to articles where the standard article is machined, assembled or completed with components from the ROSE program. For all these customer articles, this declaration of conformity applies to the full extent.

All data, recommendations and information given by ROSE or on behalf of ROSE regarding the individual products and materials are based on examinations and information from the respective material manufacturer.

The property benchmarks are indicative average values obtained on sprayed specimens.

Although ROSE considers these to be reliable, ROSE assumes no responsibility for the accuracy or completeness of the data, for recommendations or for information. The passing on of these data, recommendations and information takes place without legal obligation and does not establish a separate contract.

On the contrary, the interested party is obliged to convince himself of the quality and all characteristics of the products and of their suitability for the intended purpose and must undertake all necessary investigations in their own responsibility, as far as ROSE does not in certain cases determine certain characteristics or uses of the product expressly guaranteed in writing.

The same applies mutatis mutandis to our other application-technical information and advice in spoken or written form.

This Statement has been prepared and published on the basis of the laws and regulations in effect at the present time, and to the best of our knowledge.

**ROSE Systemtechnik GmbH**  
**Erbeweg 13-15**  
**D-32457 Porta Westfalica**

Postfach 1362  
32439 Porta Westfalica  
Telefon (0571) 5041-0  
Telefax (0571) 5041-159  
eMail rose@rose-pw.de  
Internet www.rose-systemtechnik.com



A Phoenix Mecano Company

Porta Westfalica, January 17<sup>th</sup>, 2020

Best regards,  
**ROSE Systemtechnik GmbH**

A handwritten signature in blue ink, appearing to read "ppa. Heiko Felsmann", written over a horizontal line.

**ppa. Heiko Felsmann**  
(Director Sales / Marketing)

A handwritten signature in blue ink, appearing to read "i.A. Matthias Kaspar", written over a horizontal line.

**i.A. Matthias Kaspar**  
(Product Compliance)

