# DECLARATION WITH REGARD TO DIRECTIVE 2002/95/EC and 2011/65/EU Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS)

**Including**
**deca BDE (deca Bromo Dyphenyl Ether)**
**and**
**PFOS (Perfluorooctane Sulfonates)**
**(EU Directive 2006/122/EC)**
**and**
**PAEs (Phthalates)**
**(EU Directive 2015/863)**

The delegated Directive 2015/863 (unofficially also known as “RoHS 3”) became effective on 31. March 2015.

The delegated Directive deals with the same hazardous substances and the same maximum concentration limits as Directive 2002/95/EC (RoHS 1) and 2011/65/EU (RoHS 2) but added four additionally substances (Phthalates) to the list of maximum allowed concentration of 0.1 MASS% (or 1,000ppm). All products meeting the substance restrictions of RoHS 1 and 2 remain compliant to the substance restrictions of delegated Directive 2015/863.

We hereby confirm that all products produces or distributed by EMC electro mechanical components GmbH are in conformity with the RoHS directive 2002/95/EC and 2011/65/EU, as well as the delegated Directive 2015/863, and that the banned materials and substances, including deca BDE, PFOS and PAE chemicals, have not been intentionally added nor believe to be contained in any of the materials used for the production of these part numbers or may only be present as adventitious impurities in the products.
It should be noted that the material used for the production of the metal pins is RoHS compliant brass (copper alloy) and which falls within the RoHS exemption limit of max. 4 MASS% lead content.

| Substance | Maximum Concentration Value |
|---|---|
| Lead (Pb)* | 0.1 MASS% (or 1,000 ppm) |
| Mercury (Hg) | |
| Hexavalent Chromium (Cr+6) | |
| Polybrominated Biphenyls (PBB) | |
| Polybrominated Diphenyls Ethers (PBDE) | |
| Bis(2-Ethylhexyl)phthalate (DEHP) | |
| Benzyl butyl phthalate (BBP) | |
| Dibutyl phthalate (DBP) | |
| Diisobutyl phthalate (DIBP) | |
| Cadmium (Cd) | 0.01 MASS% (or 100 ppm) |

*RoHS Compliant by Exemption
Product, subject to EU RoHS Directive, contains one or more of the restricted substances above the official maximum concentration value, but is still compliant because it falls under one of the exemptions (e.g. typical exemptions that apply to products produced or distributed by EMC GmbH: lead in compliant pin connector systems).
Lead, as an alloying element, is allowed up to 4.0 MASS% (40,000 ppm) in copper alloys, up to 0.35 MASS% (3,500 ppm) in steel, and up to 0.40 MASS% (4,000 ppm) in aluminum alloys. Please review list of exemption below.

| Exemption | Description | Categories |
|---|---|---|
| 6(c) | Copper alloy containing up to 4% lead by weight. | 1 - 11 |

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## Expansion of Scope

RoHS 2 expands the scope of products covered by phasing in EEE categories 8 (medical devices) and 9 (monitoring and control instruments) which were previously excluded under RoHS 1. All products produced or distributed by EMC GmbH that are used in equipment falling into these categories are already compliant.
The expanded RoHS 2 scope also includes certain cable assemblies used to connect EEE or to provide power to EEE. Per the RoHS 2 FAQ version of 12 December 2012, the following cable assembly types are considered to be “out of scope”: optical cables, cables internal to EEE (this includes cables permanently attached to EEE), and cables with a rated voltage greater than or equal to 250 volts. For most cable assemblies, the timeline for being in scope is related to the timeline of the EEE with which they are used. Bulk cable only becomes in scope as of 2019. Note that the majority of EMC produced or distributed cable products already comply with the substance restrictions as a result of our efforts under RoHS 1. EMC bulk cable sold to assembly houses will be compliant with the substance restrictions of RoHS 2, confirmed in our Statements of Compliance, but will not contain any RoHS compliance marking as EMC GmbH does not know the compliance status of our customers’ finished product.
The RoHS 2 Directive does not apply to non-electric tools, large-scale fixed installations, or to electrical and electronics equipment designed for use with a voltage rating exceeding 1000 volts AC or 1500 volts DC.

## CE Marking

In contrast to RoHS 1, RoHS 2 is a CE marking Directive, and requires, for finished EEE, the use of the CE mark on the product to show compliance. The responsibility for affixing the CE mark resides with the manufacturer. Please be advised that CE marking for RoHS 2 only applies to finished EEE in scope of RoHS 2. The use of the CE mark is not allowed on products not in scope of an EU Directive, and can therefore not be applied to EMC GmbH produced or distributed products (such as connectors, terminals, switches, relays, etc.)

Disclaimer
The material content knowledge of EMC electro mechanical components GmbH is based on third party information of certified and accredited analytical laboratories as well as from our contract manufacturers. If EMC electro mechanical components GmbH is a manufacturer of products, EMC has appropriate procedures in place to provide appropriate product information, but EMC electro mechanical components GmbH cannot guarantee the accuracy and completeness of all data. Unless otherwise stated, all data is provided “as is”. The information may be used by interested parties as a reference for their assessment of product conformity. EMC electro mechanical components GmbH cannot be held liable for any damage and/or loss.

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