



## Declaration of Conformity to EU RoHS Directive 2011/65/EU

### With the addition of four Phthalates under Directive (EU)2015/863

|   |                                    |
|---|------------------------------------|
| <b>ABB Power Electronics Part Series:</b> | <b>IND033 Series Power Modules</b> |
|---|------------------------------------|

In accordance with International commitment toward environmental management, ABB Power Electronics certify the parts/products listed above meet the following materials requirements of the **RoHS Directive 2011/65/EU and amended Directive (EU) 2015/863**. The part numbers indicated above that ABB Power Electronics has identified as RoHS compliant do not exceed the maximum concentration by weight in homogenous materials for substances indicated in the table below or qualify for an exemption to above limits as defined in the Annex of the RoHS Directive.

ABB Power Electronics assumes no responsibility to determine whether Customer's use of these products is covered under any RoHS exemptions.

The above information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. This information does not in any way modify existing purchase specifications or existing contractual or other agreement terms between ABB (or its affiliated companies) and its customers.

| <b>EU RoHS Restricted Substance</b>   | <b>Allowable Limit<br/>(at homogenous material level)</b> |
|---------------------------------------|---|
| Cadmium and its compounds             | 100 ppm (0.01 weight %)                                   |
| Mercury and its compounds             | 1000 ppm (0.1 weight %)                                   |
| Hexavalent chromium and its compounds | 1000 ppm (0.1 weight %)                                   |
| Lead and its compounds                | 1000 ppm (0.1 weight %)                                   |
| Polybrominated biphenyls (PBB)        | 1000 ppm (0.1 weight %)                                   |
| Polybrominated diphenyl ethers (PBDE) | 1000 ppm (0.1 weight %)                                   |
| Bis(2-ethylhexyl) phthalate (DEHP)    | 1000 ppm (0.1 weight %)                                   |
| Butyl benzyl phthalates (BBP)         | 1000 ppm (0.1 weight %)                                   |
| Dibutyl phthalate (DBP)               | 1000 ppm (0.1 weight %)                                   |
| Diisobutyl phthalate (DIBP)           | 1000 ppm (0.1 weight %)                                   |

7a. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)

7c-I. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound

Sr. Technical Regulations and Standards Leader  
ABB Power Electronics  
[rick.morrison@elpc.abb.com](mailto:rick.morrison@elpc.abb.com)