

# European Directive 2011/65/EU (RoHS Directive)

## Emerson Approach and Exclusion Applicability

Emerson Automation Solutions products fall within category 9 (industrial monitoring and control equipment) of Annex I of the European Directive 2011/65/EU amended 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive). Under Article 4 § 3, industrial monitoring and control instruments must comply with the substance restrictions as of July 22, 2017. However, such products are excluded from the RoHS Directive if they are intended for and will be used in one of the ten categories of products or applications specifically excluded under Article 2(4).

The regulation outlines ten different exclusions. It is expected that product used in these exclusion applications are being properly installed, decommissioned, and disposed of by professionals.

Under Article 2(4), the RoHS Directive does not apply to the following categories of products or applications:

- Military/security equipment
- Designed to be sent into space
- Part of non-scope equipment
- Large-scale stationary industrial tools (LSSIT)
- Large-scale fixed installations (LSFI)
- Means of transport for persons or goods
- Non-road mobile machinery (NRMM)
- Active implantable medical devices
- Photovoltaic panels
- R&D equipment

Even though the RoHS Directive does not apply to most of our products because of the exclusions, Emerson has made it a strategic priority to transition our extensive global portfolio to RoHS-compliant materials. Products will be transitioned based on market demand, customer applications, and reliability and qualification of design changes. This transition supports our health and safety commitment and goals. Most products are now compliant without reliance on exclusions, however we continue to rely on one of the applicable exclusions until product transitions are complete.

The most common exclusions applicable to Emerson Automation Solutions products are outlined below in more detail with common examples.

### Large-Scale Fixed Installations (LSFI)

- Product or equipment that is a combination of several types of apparatus and devices and would not fit in an ISO 20-foot container
- Intended to be used permanently in a pre-defined and dedicated location
- Intended to be assembled, installed, and decommissioned by professionals

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## Large-Scale Stationary Industry Tools (LSSIT)

- Tool that is an assembly of machines, equipment and/or components, functioning together for a specific application
- Tool approximate size of CNC lathe or metal forming press
- Intended to be permanent, not readily re-locatable
- Intended to be used/maintained by professionals in an industrial manufacturing/R&D facility
- Intended to be assembled, installed and decommissioned by professionals

## Means of Transport

- Mean of transport for person or goods, excluding electric two-wheel vehicles
- Car, commercial vehicles, aircraft, trains, or boats

For the most up to date EU RoHS compliance status by product, please visit the Emerson product environmental compliance webpage: [www.emerson.com/compliance](http://www.emerson.com/compliance)



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