

**Comax Industrielle Signaltechnik AG – Römerstrasse 6 – 4512 Bellach, Switzerland**

Product(s): Speaker Audio Modules and Electronic Sound Generators

Type(s): ES6, ES66, ES12

**Directive EN 50155(2007): Railway applications - Electronic equipment used on rolling stock**

Standards applied: EN 60068-2-1:2007  
EN 60068-2-2:2007  
EN 60068-2-27:2009  
EN 60068-2-30:2005  
EN 60068-2-64:2008

**Directive 2014/30/EU: Electromagnetic Compatibility Directive (EMC)**

Standards applied: EN 61000-4-2:2008  
EN 61000-4-3:2006 + A1:2008 + A2:2010  
EN 61000-4-4:2004  
EN 61000-4-5:2006  
EN 61000-4-6:2008  
EN 61000-4-8:2010

**Directive 2014/35/EU: Low Voltage Directive (LVD)**

Standards applied: EN 60947-1:2007 + A2:2014

**Directive 2011/65/EU: Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**

The product and all the components contained within it are in accordance with the restriction of the use of hazardous substances in electrical and electronic equipment.

**Regulation (EC) 1907/2006: Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)**

The product and all components contained within are free from substances of very high concern.

**Other Standards and Regulations**

EN 60529:1992 + A2:2013 – Degrees of protection provided by enclosures (IP code) – enclosure rated IP66 (ES6 and ES12 only)  
EN 61373:2010 - Railway applications - Rolling stock equipment - Shock and vibration tests  
EN 50121-3-2:2015 - Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock  
EN 50121-4:2015 - Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity of the signalling and telecommunications apparatus  
EN 55022:2010 - Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement  
EN 55011:2009 + A1:2010 Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement

On behalf of Comax Industrielle Signaltechnik AG, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives, regulations and standards.

This declarations is issued under the sole responsibility of the manufacturer.



**Sven Friesecke**  
Managing Director

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