

**Comax Industrielle Signaltechnik AG – Thalstrasse 279 – 4712 Laupersdorf, Switzerland**

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

Type(s): ES52, ES53

**Directive EN 50125-3: Railway applications - Environmental conditions for equipment**

Standards applied: EN 60068-2-1:2007  
EN 60068-2-2:2007  
EN 60068-3-1 section one  
EN 60068-2-30:2005

**Directive EN 50155:2017: Railway applications - Electronic equipment used on rolling stock**

Standards applied: EN 55011:2016+A1:20172  
EN 50121-3-2:2016  
EN 55011:2016+A1:2017  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 61000-4-2:2009  
EN 61000-4-3:2006+A1:2008+A2:2010  
EN 61000-4-4:2012  
EN 61000-4-5:2014+A1:2017  
EN 61000-4-6:2014  
EN 61000-4-8:2010  
EN 61000-4-11:2004+A1:2017

**Directive EN 50125 Railway applications - Electromagnetic compatibility**

Standards applied: EN 50121-1/-2:2006  
EN 55016-1-1:2007  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 61000-4-2:2009  
EN 61000-4-3:2006+A1:2008+A2:2010  
EN 61000-4-4:2012  
EN 61000-4-5:2014  
EN 61000-4-6:2014  
EN 61000-4-8:2010  
EN 61000-4-11:2004

**Directive EN 61373:2010 Railway applications. Rolling stock equipment. Shock and vibration tests**

Standards applied: EN 60068-2-64:2008  
EN 60068-2-27:2009

**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)**

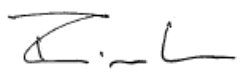
The product and all components contained within are free from substances of very high concern.

**Other Standards and Regulations**

EN 60529:2014-09 - Degrees of protection provided by enclosures (IP code) – enclosure rated IP66  
Directive 2014/30/EU: Electromagnetic Compatibility Directive (EMC)

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 declaration is issued under the sole responsibility of the manufacturer.



**Sven Friesecke**  
Managing Director

Document No.:  
Date and Place of Issue:

DC-ES52\_ES53\_Version\_4\_2020\_04\_11  
Laupersdorf, 04.11.2020