

Declaration on Suitability for Railway Applications – Rolling Stock – Electronic Equipment

WAGO supports sustainable mobility and therefore prepares a large part of its product range for use in railway applications. In order to guarantee a quick orientation of the suitability for the user, products are marked with the label “Railway Ready” (derived from the requirements of EN 50155 and EN 45545-2).

The items marked with “Railway Ready” meet the relevant requirements for this component for use:

- in railway vehicles
- in signal systems and railway infrastructure

In detail, the articles marked “Railway Ready” meet the requirements of:

- EN 50155
 - Temperature (maximum temperature requirements)
 - EN 61373
 - According to the vibration and shock test as specified in EN 61373, the items (or their technically comparable reference products) have been tested and approved for Category 1 Class A/B.

WAGO performs the electrical and mechanical tests on terminal blocks and connectors along with environmental simulations within the accredited framework of IEC 17025:2018.

- The fire protection requirements according to EN 45545-2
 - WAGO uses a special plastic material as support and insulating material for current-carrying electromechanical parts, which is classified as V0 material according to UL94.
 - The properties of the material also meet the highest requirements according to R22 - R24 to HL3:
 - R22 (LOI > 32 %/Dsmax < 150 / CITNLP < 0.75)
 - R23 (LOI > 32 %/Dsmax < 300/CITNLP < 1.5)
 - R24 (LOI > 32 %)
 - R26 (V0)

This document is created systematically and therefore valid without a signature.
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