



53545 Linz am Rhein, 18.07.2006
TB/Schä

Cable Management Systems of NIEDAX GmbH & Co. KG

The Cable Management System of NIEDAX GmbH & Co. KG (including Cable Trays, Cable Ladders, Long Span Cable Trays, Long Span Cable Ladders, Mesh Wire Cable Trays, Vertical Running Cable Ladders, Pendants, Cantilever Brackets for hanging Pendants, Wall Support Brackets as well as all System Components) were tested internally on our own response in accordance to the European Standard DIN EN 61537:2007-09.

All technical specifications in our KR-Catalogue as load/span designation, amount of bolts and nuts for interconnections, fixing a tray or ladder to the brackets or connections between hangers and brackets are based on these internal tests.

We want to point out that all load/span designations in our KR - Catalogue are given as Uniformly Distributed Loads. Static Point Loads strains a Cable Tray or Ladder System in a totally different way and therefore a static verification in consideration of all parameters is indispensable.

Clause 11 of DIN EN 61537: 2007-09 is a description of electrical properties as follows:

Cable Tray Systems and Cable Ladder Systems shall have adequate electrical continuity to ensure equipotential bonding and connections to earth if required according to the application of the Cable Tray System or Cable Ladder System.

This requirement has been tested among other parts in accordance to sub-clause 11.1.2. An assembly of two Cable tray/ladder pieces and there corresponding couplers were interconnected and supplied to a power source with a current of 25A AC and a no-load voltage not exceeding 12V. The voltage drop then be measured between two points 50mm each side of the coupler and again between two points 500mm apart on one side of the joint. The calculated impedance from the current and the voltage drop shall not exceed 50mΩ across the joint and 5mΩ per metre without the joint.

These tests are the base for our declaration of CE-Conformity and CE-Marking.

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