SLOVENSKI STANDARD
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Aeronavtika – Kabelske spojke za vezalno pasovje – Preskusne metode – 301. del: Preskus s slanim pršenjem

Aerospace series - Cable ties for harnesses - Test methods - Part 301: Salt mist test

Luft- und Raumfahrt - Befestigungsbänder für Leitungsbündel - Prüfverfahren - Teil 301: Salzsprühtest

Série aérospatiale - Frettes de câblage pour harnais - Méthodes d'essais - Partie 301 : Brouillard salin

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Contents

Page

Foreword

This European Standard (EN 4057-301:2005) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2006, and conflicting national standards shall be withdrawn at the latest by May 2006.

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1 Scope

This standard specifies the procedure to determine the resistance to salt mist of cable ties with metallic locking devices.

It shall be used together with EN 4057-100.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2591-307, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 307: Salt mist*

EN 4057-100, *Aerospace series — Cable ties for harnesses — Test methods — Part 100: General*

EN 4057-401, *Aerospace series — Cable ties for harnesses — Test methods — Part 401: Loop tensile strength*

3 Apparatus

See EN 2591-307.

4 Procedure

The specimens shall in principle be flat and placed in the cabinet, at an angle of $(20\ ^{+20}_{-5})$ ° vertical, with the head in the highest position. The supports shall be made of inert, non-metallic material.

Without any pre-conditioning of the specimens, they shall be subjected to the salt mist test, described in EN 2591-307, for 30 h.

At the end of the test, remove the specimens and dry at (24 ± 2) °C and (50 ± 5) % humidity, for the time period as indicated in Table 1, as appropriate to the measured thickness of the strap. The specimens shall be tested according to the loop tensile test, specified in EN 4057-401.

Table 1

Maximum strap thickness mm	**Time period** **days ± 1**
1,17 or less	7
1,18 to 1,40	14
1,41 to 2,11	28

5 Requirements

The specimen shall meet the loop tensile strength requirements, specified in the appropriate product standard.