

In-line couplers for use in multiplex data bus systems in accordance with MIL-STD-1553B —

Part 001: Technical specification

The European Standard EN 3567-001:2001 has the status of a
British Standard

ICS 49.060

National foreword

This British Standard is the official English language version of EN 3567-001:2001.

The UK participation in its preparation was entrusted to Technical Committee ACE/6/3, Aerospace - Connectors, which has the responsibility to:

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- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
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**Aerospace series - In-line couplers for use in multiplex data bus
systems in accordance with MIL-STD-1553B - Part 001:
Technical specification**

Série aérospatiale - Coupleurs en ligne utilisés dans les
systèmes multiplexés de bus de données suivant MIL-STD-
1553B - Partie 001: Spécification technique

Luft- und Raumfahrt - Leitungskoppler für die Anwendung
in Multiplex-Datenbussystemen nach MIL-STD-1553B - Teil
001: Technische Lieferbedingungen

This European Standard was approved by CEN on 4 June 2001.

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Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries 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of an identical text or by endorsement, at the latest by May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard specifies the electrical, mechanical and environmental characteristics, test methods, test groups and quality assurance for in-line couplers and other components used in the composition of the transmission lines of multiplex databus systems in accordance with MIL-STD-1553B.

These couplers may be used at operating temperatures of – 65 °C to 150 °C or 200 °C and at altitudes up to 30 000 m or an altitude as defined in the product standard.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 2424	Aerospace series – Marking of aerospace products
EN 2591*	Aerospace series – Elements of electrical and optical connection – Test methods
EN 2591-100	Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General ¹⁾
EN 2591-309	Aerospace series – Elements of electrical and optical connection – Test methods – Part 309: Dry heat
EN 2591-310	Aerospace series – Elements of electrical and optical connection – Test methods – Part 310: Cold
EN 2591-311	Aerospace series – Elements of electrical and optical connection – Test methods – Part 311: Low air pressure
EN 2591-321	Aerospace series – Elements of electrical and optical connection – Test methods – Part 321: Damp heat, cyclic test
EN 3042	Aerospace series – Quality assurance – EN aerospace products – Qualification procedure
EN 3375-001	Aerospace series – Cables, electrical, for signal data transmissions – Part 001: Technical specification ²⁾
MIL-A-8243D	Anti-icing and deicing-defrosting fluid ³⁾
MIL-B-4394C	Fire extinguisher fluids ³⁾
MIL-C-25769	Cleaning compound, aircraft surface, alkaline water base ³⁾
MIL-H-5606E	Hydraulic fluid, petroleum base: aircraft ³⁾
MIL-HDBK-217	Reliability prediction of electronic equipment ³⁾
MIL-L-7808H	Lubricating oil, aircraft turbine engine, synthetic base ³⁾
MIL-L-23699C	Lubricating oil, aircraft turbine engine, synthetic base ³⁾
MIL-STD-1553B	Digital time division command/Response multiplex data ³⁾
MIL-T-5624L	Turbine, fuel, aviation, grades JP4 and JP5 ³⁾
MIL-T-21038	Transformers, pulse, low power, general specification for ³⁾

* All parts quoted in tables 1, 3, 4 and 5 with its title

1) Published as AECMA Prestandard at the date of publication of this standard

2) In preparation at the date of publication of this standard

3) Published by: Department of Defense (DOD), the Pentagon, Washington D.C. 20301 USA.