



BSI Standards Publication

**Aerospace series — Connector,
electrical and optical,
rectangular, modular,
rectangular inserts, operating
temperature 175 °C (or 125 °C)
continuous**

Part 021: Plug, size 2, without mounting
holes, class A, C and E — Product standard

National foreword

This British Standard is the UK implementation of EN 4644-021:2015.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

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EUROPEAN STANDARD

EN 4644-021

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2015

ICS 49.060; 49.090

English Version

**Aerospace series - Connector, electrical and optical,
rectangular, modular, rectangular inserts, operating
temperature 175 °C (or 125 °C) continuous - Part 021:
Plug, size 2, without mounting holes, class A, C and E -
Product standard**

Série aérospatiale - Connecteur, électrique et optique,
rectangulaire, modulaire, à inserts rectangulaires,
température de fonctionnement 175 °C (ou 125 °C)
continu - Partie 021 : Fiche, taille 2, sans trous de
fixation, classes A, C et E - Norme de produit

Luft- und Raumfahrt - Elektrische und optische
Rechtecksteckverbinder, modular, rechteckige
Kontakteinsätze, Dauerbetriebstemperatur 175 °C
(oder 125 °C) konstant - Teil 021: Freier
Steckverbinder, Größe 2, ohne Montagebohrungen,
Klassen A, C und E - Produktnorm

This European Standard was approved by CEN on 30 June 2015.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
European foreword		3
1	Scope.....	4
2	Normative references.....	4
3	Terms and definitions	4
4	Required characteristics	5
5	Designation	7

European foreword

This document (EN 4644-021:2015) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-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 ASD, 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of an identical text or by endorsement, at the latest by May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

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1 Scope

This European Standard specifies the size 2 plug for disconnect applications used in the family of modular rectangular electrical and optical connector with rectangular inserts. The receptacle corresponding to this plug is defined in EN 4644-024 or EN 4644-025 or EN 4644-026.

2 Normative references

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

EN 4644-001, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts operating temperature 175 °C (or 125 °C) continuous — Part 001: Technical specification*

EN 4644-002, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts operating temperature 175 °C (or 125 °C) continuous — Part 002: Specification of performance and contact arrangements*

EN 4644-024, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts operating temperature 175 °C (or 125 °C) continuous — Part 024: Receptacle, size 2, class A, C and E — Product standard*

EN 4644-025, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts operating temperature 175 °C (or 125 °C) continuous — Part 025: Receptacle, size 2, with flange, class A, C and E — Product standard*

EN 4644-026, *Aerospace series — Connector, electrical and optical, rectangular, modular, rectangular inserts operating temperature 175 °C (or 125 °C) continuous — Part 026: Receptacle, size 2, with ground block, class B and F — Product standard*

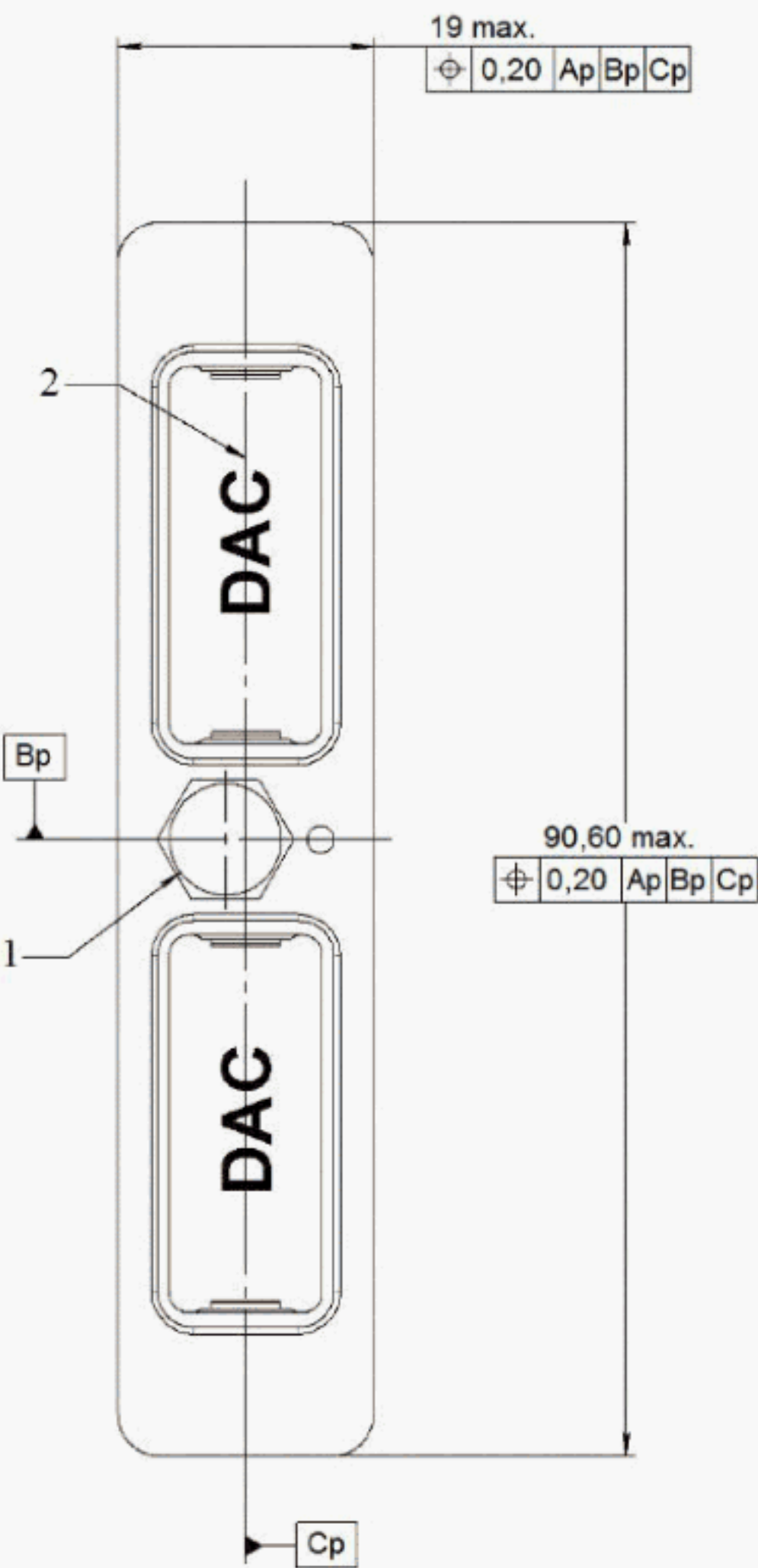
3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 4644-001 apply.

4 Required characteristics

4.1 Dimensions

See Figure 1 and Figure 2.

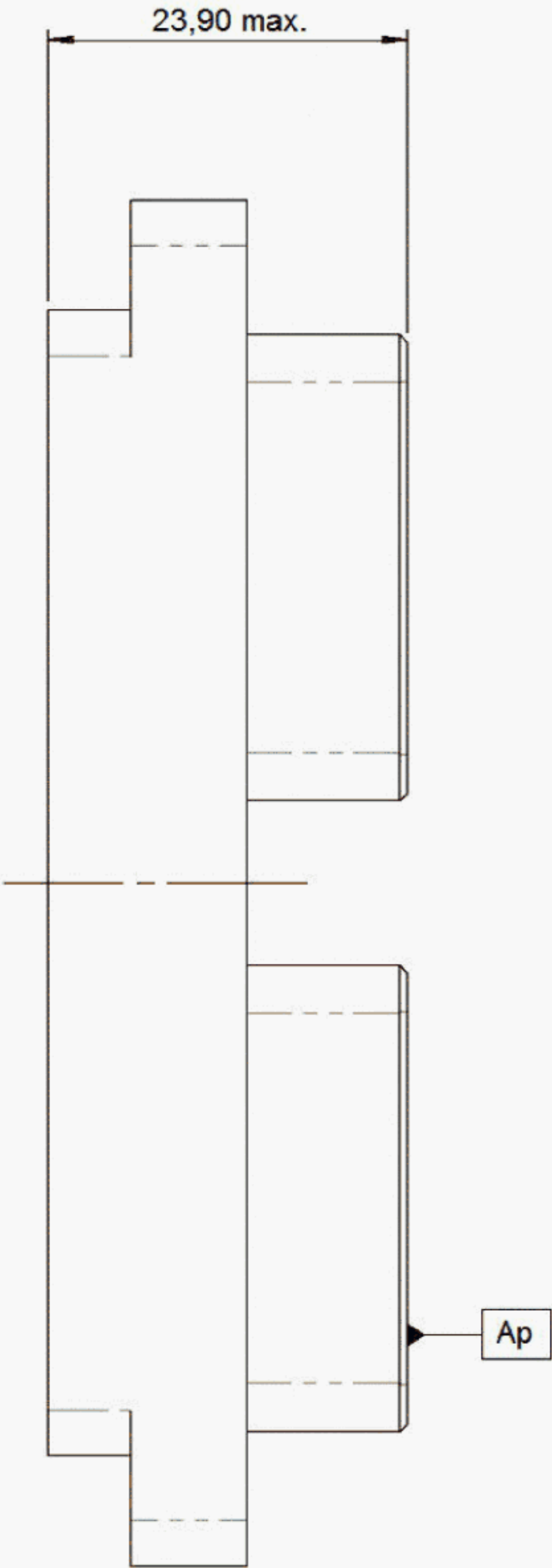


Key

- 1 See EN 4644-001.
- 2 Axis of 19,00

NOTE Ap, Bp, Cp axis, see EN 4644-001.

Figure 1



NOTE Ap axis, see EN 4644-001.

Figure 2

4.2 Mass

40 g max.

5 Designation

EXAMPLE

Description block		Identity block	
ELECTRICAL CONNECTOR, SIZE 2 PLUG		EN 4644-021ABX	
Number of this standard			
Shell class (see EN 4644-002)			
Housing type: (see Figures 1 and 2) B: with no mounting holes			
Polarization code (see EN 4644-002)			

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