BS EN 4165-026:2024

BSI Standards Publication

Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous

Part 026: Accessories for single module connector — Product standard

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National foreword

This British Standard is the UK implementation of EN 4165-026:2024. It supersedes BS EN 4165-026:2018, which is withdrawn.

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 committee manager.

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European foreword

This document (EN 4165-026:2024) 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 document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, 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of an identical text or by endorsement, at the latest by May 2025, and conflicting national standards shall be withdrawn at the latest by May 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 4165-026:2018.

This document includes the following significant technical changes with respect to EN 4165-026:2018:

— adding of operating temperature to the scope;

— removal of some dimensions in Figure 2 “Accessory attachment system”;

— removal of Table 1 in Clause 4.3 “Class” and introduction of reference to EN 4165-002;

— update of Clause 6 “Marking”;

— editorial update of the document.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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1 Scope

This document specifies accessories of single modules connectors according to EN 4165-024 and EN 4165-025 used in the family of rectangular electrical connectors, operating temperature 175 °C continuous.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 3660-033, *Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 033: Stainless steel banding band, style Z, for attachment of individual and/or overall screens to cable outlets — Product standard*

EN 4165-001, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 001: Technical specification*

EN 4165-002, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 002: Specification of performance and contact arrangements*

EN 4165-024, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 024: Single module plug — Product standard*

EN 4165-025, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 025: Single module receptacle — Product standard*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 4165-001 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Required characteristics

4.1 Shielded accessories for single module connector

4.1.1 General

According to attachment principle on Figure 1.

Always delivered with attachment system.

No accessory is standardized to fit the single-module connectors with contact size 8 module (according to EN 4165-002) – a new accessory shall be required for standardization if specific need exists.

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