



SLOVENSKI STANDARD

SIST EN 3155-002:2011

01-november-2011

Nadomešča:

SIST EN 3155-002:2009

Aeronavtika - Električni kontakti za uporabo v veznih elementih - 002. del: Seznam in uporaba kontaktov

Aerospace series - Electrical contacts used in elements of connection - Part 002: List and utilization of contacts

Luft- und Raumfahrt - Elektrische Kontakte zur Verwendung in Verbindungselementen - Teil 002: Liste und Verwendung der Kontakte

Série aérospatiale - Contacts électriques utilisés dans les organes de connexion - Partie 002 : Liste et utilisation des contacts

Ta slovenski standard je istoveten z: EN 3155-002:2011

ICS:

| | | |
|--------|--|--|
| 49.060 | Letalska in vesoljska električna oprema in sistemi | Aerospace electric equipment and systems |
|--------|--|--|

SIST EN 3155-002:2011

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3155-002

July 2011

ICS 49.060

Supersedes EN 3155-002:2006

English Version

Aerospace series - Electrical contacts used in elements of connection - Part 002: List and utilization of contacts

Série aérospatiale - Contacts électriques utilisés dans les organes de connexion - Partie 002: Liste et utilisation des contacts

Luft- und Raumfahrt - Elektrische Kontakte zur Verwendung in Verbindungselementen - Teil 002: Liste und Verwendung der Kontakte

This European Standard was approved by CEN on 4 May 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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Foreword

This document (EN 3155-002:2011) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

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 January 2012, and conflicting national standards shall be withdrawn at the latest by January 2012.

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

This document supersedes EN 3155-002:2006.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 3155-002:2011 (E)**1 Scope**

This standard provides a list of removable crimped contacts as defined in the product standards, with wrapped or soldered connections etc. for use in connectors or other electrical elements of connection. It shows the elements of connection in which they are used.

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 2593-001, *Aerospace series — Bases for 10 A electromagnetic plug-in relays, two and four poles double throw — Part 001: Technical specification* ¹⁾

EN 2995-001, *Aerospace series — Circuit breakers, single-pole, temperature compensated, rated current 1 A to 25 A — Part 001: Technical specification*

EN 2996-001, *Aerospace series — Circuit breakers, three-pole, temperature compensated, rated current 1 A to 25 A — Part 001: Technical specification*

EN 2997-001, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 001: Technical specification*

EN 3155-001, *Aerospace series — Electrical contacts used in elements of connection — Part 001: Technical specification*

EN 3205-001, *Aerospace series — Bases for 5 A plug-in relays, two and four poles double throw — Part 001: Technical specification* ²⁾

EN 3206-001, *Aerospace series — Bases for 25 A plug-in relays, one and three poles — Part 001: Technical specification* ²⁾

EN 3218-001, *Aerospace series — Connectors, rectangular, with metallic shells and screw-locking — Part 001: Technical specification*

EN 3372-001, *Aerospace series — Connectors, electrical, circular, medium and high contact density, scoop-proof with bayonet coupling, operating temperature – 65 °C to 175 °C or 200 °C continuous — Part 001: Technical specification*

EN 3545-001, *Aerospace series — Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures – 55 °C to 175 °C — Part 001: Technical specification*

EN 3645-001, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 001: Technical specification*

1) Published as ASD-STAN Prestandard at the date of publication of this standard (www.asd-stan.org).

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

EN 3646-001, Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous — Part 001: Technical specification

EN 3682-001, Aerospace series — Connectors, plug and receptacle, electrical, rectangular, interchangeable insert type, rack to panel, operating temperature 150 °C continuous — Part 001: Technical specification

EN 3708-001, Aerospace series — Modular interconnection systems — Terminal junction systems — Part 001: Technical specification

EN 4067-001, Aerospace series — Connectors, electrical, circular, scoop-proof, coupled by threaded ring, fire-resistant, operating temperature 260 °C peak — Part 001: Technical specification ¹⁾

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

EN 6047-001, Aerospace series — Connectors, electrical, circular, coupled by threaded ring, for high current, operating temperature 200 °C continuous and fire-resistant — Part 001: Technical specification ¹⁾

3 List of contacts

See Table 1.

Table 1

| Designation EN 3155- | Temperature °C | Contacts | | | | | | Elements of connection | | | | | | | | | | | | | | | | | | | |
|-------------------------|----------------|----------|----------|--------------|--------------|---------|----------|------------------------|---------|---------|------------------|---------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|--|--|
| | | Types | | | | | | Relay base | | | Circuit breakers | | Connectors | | | | | | | | | | | | | | |
| | | Crimped | Soldered | Self-locking | Wrapped wire | Coaxial | Triaxial | EN 2593 | EN 3205 | EN 3206 | EN 2995 | EN 2996 | EN 2997 | EN 3218 | EN 3372 | EN 3545 | EN 3645 | EN 3646 | EN 3682 | EN 3708 | EN 4067 | EN 4165 | EN 6047 | EN 4644 | | | |
| 003F2222 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | X | | | |
| 003F2022 | 200 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 003F2020 | 200 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 003F2018 | 200 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 003F1616 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | | X | | |
| 003F1614 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | | X | | |
| 003F1214 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | | X | | |
| 003F1212 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | | X | | |
| 003F1010 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | | | | |
| 004M2020 | 260 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 004M2018 | 260 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 004M1616 | 260 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 004M1614 | 260 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 004M1618 | 260 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |
| 004M1212 | 260 | X | | | | | | | | | | | | | | | | | | | | | | | X | | |

continued

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Table 1 (continued)

| Contacts | | Elements of connection | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|----------------|------------------------|----------|--------------|--------------|---------|----------|------------|---------|------------------|---------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Designation EN 3155- | Temperature °C | Types | | | | | | Relay base | | Circuit breakers | | Connectors | | | | | | | | | | | | |
| | | Crimped | Soldered | Self-locking | Wrapped wire | Coaxial | Triaxial | EN 2593 | EN 3205 | EN 3206 | EN 2995 | EN 2996 | EN 2997 | EN 3218 | EN 3372 | EN 3545 | EN 3645 | EN 3646 | EN 3682 | EN 3708 | EN 4067 | EN 4165 | EN 6047 | EN 4644 |
| 005F2020 | 260 | X | | | | | | | | | X | | | | | | | | | | X | | | |
| 005F2018 | 260 | X | | | | | | | | | X | | | | | | | | | | X | | | |
| 005F1616 | 260 | X | | | | | | | | | X | | | | | | | | | | X | | | |
| 005F1614 | 260 | X | | | | | | | | | X | | | | | | | | | | X | | | |
| 005F1618 | 260 | X | | | | | | | | | X | | | | | | | | | | X | | | |
| 005F1212 | 260 | X | | | | | | | | | X | | | | | | | | | | X | | | |
| 008M2222 | 200 | X | | | | | | | | | | | | X | X | X | | | | | | X | | |
| 008M2022 | 200 | X | | | | | | | | | | | | X | | X | | | | | | X | | |
| 008M2020 | 200 | X | | | | | | | | | | | | X | | X | | | | | | X | | |
| 008M2018 | 200 | X | | | | | | | | | | | | X | | X | | | | | | X | | |
| 008M1616 | 200 | X | | | | | | | | | | | | X | X | X | | | | | | X | | |
| 008M1614 | 200 | X | | | | | | | | | | | | X | X | X | | | | | | X | | |
| 008M1214 | 200 | X | | | | | | | | | | | | X | X | X | | | | | | X | | |
| 008M1212 | 200 | X | | | | | | | | | | | | X | X | X | | | | | | X | | |
| 008M1010 | 200 | X | | | | | | | | | | | | X | | | | | | | | | | |
| 009F2222 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F2022 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F2020 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F2018 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F1616 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F1614 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F1214 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F1212 | 200 | X | | | | | | | | | | | | X | | X | | | | | | | | |
| 009F1010 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | |
| 012M08 ^a | 200 | | X | | | | X | | | | | | | X | | X | | | | | | X | | |
| 013F08 ^a | 200 | | X | | | | X | | | | | | | X | | X | | | | | | X | | |
| 014M2022 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | |
| 014M2020 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | |
| 014M2018 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | |
| 015F2022 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | |
| 015F2020 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | |
| 015F2018 | 200 | X | | | | | | | | | | | | | X | | | | | | | | | |

continued

Table 1 (continued)

| Designation EN 3155- | Contacts | | | | | | Elements of connection | | | | | | | | | | | | | | | | | |
|-------------------------|----------------|---------|----------|--------------|--------------|---------|------------------------|---------|---------|------------------|---------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Temperature °C | Types | | | | | Relay base | | | Circuit breakers | | Connectors | | | | | | | | | | | | |
| | | Crimped | Soldered | Self-locking | Wrapped wire | Coaxial | Triaxial | EN 2593 | EN 3205 | EN 3206 | EN 2995 | EN 2996 | EN 2997 | EN 3218 | EN 3372 | EN 3545 | EN 3645 | EN 3646 | EN 3682 | EN 3708 | EN 4067 | EN 4165 | EN 6047 | EN 4644 |
| 016M2222 | 200 | X | | | | | | | | | | | | | | | | | X | | | | | |
| 016M2020 | 200 | X | | | | | | | X | X | | | | | | | | | X | | | | | |
| 016M2018 | 200 | X | | | | | | | X | X | | | | | | | | | X | | | | | |
| 016M1616 | 200 | X | | | | | | | X | X | | | | | | | | | X | | | | | |
| 016M1212 | 200 | X | | | | | | | X | X | | | | | | | | | X | | | | | |
| 017F1620 | 125 | X | | | | | X | | | | | | | | | | | | | | | | | |
| 017F1616 | 125 | X | | | | | X | | | | | | | | | | | | | | | | | |
| 017F1216 | 125 | X | | | | | | | X | | | | | | | | | | | | | | | |
| 017F1212 | 125 | X | | | | | | | X | | | | | | | | | | | | | | | |
| 018M2022 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 018M2020 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 018M2018 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 018M1616 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 018M1614 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 018M1618 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 018M1212 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 018M1218 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F2022 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F2020 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F2018 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F1616 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F1614 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F1618 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F1212 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 019F1218 | 200 | X | | | | | | | | | X | | | | | | X | | | | | | | |
| 020M10 ^a | 150 | X | | | | | X | | | | X | | | | | | | | | | | | | |
| 021F10 ^a | 150 | X | | | | | X | | | | X | | | | | | | | | | | | | |
| 022M2220 | 150 | X | | | | | | | | | | X | | | | | | | | | | | | |
| 023F2220 | 150 | X | | | | | | | | | | X | | | | | | | | | | | | |
| 024M08 ^a | 150 | X | | | | | X | | | | | | X | | | X | | | | | | | | |
| 025F08 ^a | 150 | X | | | | | X | | | | | | X | | | X | | | | | | | | |

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