SLOVENSKI STANDARD
oSIST prEN 3155-002:2020

01-julij-2020

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: **prEN 3155-002**

ICS:

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

oSIST prEN 3155-002:2020 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 3155-002

May 2020

ICS

Will supersede EN 3155-002:2011

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 draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Ref. No. prEN 3155-002:2020 E

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European foreword

This document (prEN 3155-002:2020) 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 document is currently submitted to the CEN Enquiry.

This document will supersede EN 3155-002:2011.

1 Scope

This document 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 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 2593-001, *Aerospace series - Bases for 10 A electromagnetic plug-in relays, two and four poles double thrown - Part 001: Technical specification*

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 [1)]

EN 3206-001, *Aerospace series — Bases for 25 A plug-in relays, one and three poles — Part 001: Technical specification* [1)]

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 temperatures - 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*

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

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1) In preparation at the date of publication of this document.

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

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 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* [2)]

3 Terms and definitions

No terms and definitions are listed in this document.

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

- ISO Online browsing platform: available at http://www.iso.org/obp
- IEC Electropedia: available at http://www.electropedia.org/

2) Published as ASD-STAN Standard at the date of publication of this document by AeroSpace and Defence industries Association of Europe — Standardization (ASD-STAN), http://www.asd-stan.org/

4 List of contacts

See Table 1.

Table 1 *(1 of 6)*

Contacts									Elements of connection																
Designation EN 3155-001	Temperature °C	Types							Relay base			Circuit breakers		Connectors											
		Crimped	Soldered	Self-locking	Wrapped wire	Coaxial	Triaxial	Quadrax	EN 2593-001	EN 3205-001	EN 3206-001	EN 2995-001	EN 2996-001	EN 2997-001	EN 3218-001	EN 3372-001	EN 3545-001	EN 3645-001	EN 3646-001	EN 3682-001	EN 3708-001	EN 4165-001	EN 6047-001	EN 4644-001
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										

Table 1 *(2 of 6)*

Contacts									Elements of connection																
Designation EN 3155-001	Temperature °C	Types							Relay base			Circuit breakers		Connectors											
		Crimped	Soldered	Self-locking	Wrapped wire	Coaxial	Triaxial	Quadrax	EN 2593-001	EN 3205-001	EN 3206-001	EN 2995-001	EN 2996-001	EN 2997-001	EN 3218-001	EN 3372-001	EN 3545-001	EN 3645-001	EN 3646-001	EN 3682-001	EN 3708-001	EN 4165-001	EN 6047-001	EN 4644-001
004M2018	260	X												X											
004M1616	260	X												X											
004M1614	260	X												X											
004M1618	260	X												X											
004M1212	260	X												X											
005F2020	260	X												X											
005F2018	260	X												X											
005F1616	260	X												X											
005F1614	260	X												X											
005F1618	260	X												X											
005F1212	260	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							

Table 1 *(3 of 6)*

Contacts									Elements of connection															
		Types							Relay base			Circuit breakers		Connectors										
Designation EN 3155-001	Temperature °C	Crimped	Soldered	Self-locking	Wrapped wire	Coaxial	Triaxial	Quadrax	EN 2593-001	EN 3205-001	EN 3206-001	EN 2995-001	EN 2996-001	EN 2997-001	EN 3218-001	EN 3372-001	EN 3545-001	EN 3645-001	EN 3646-001	EN 3682-001	EN 3708-001	EN 4165-001	EN 6047-001	EN 4644-001
014M2018	200	X															X							
015F2022	200	X															X							
015F2020	200	X															X							
015F2018	200	X															X							
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									