



SLOVENSKI STANDARD
SIST EN 3155-002:2009

01-januar-2009

5 YfcbUj h_U!`9`Y_f] b]_cbhU_h`nUi dcfUvc`j`j Ynb]`Y`Ya Ybh]`!`\$\$&`"XY.`GYnbUa
]b`i dcfUUU_cbhU_hc]`

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

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Ta slovenski standard je istoveten z: EN 3155-002:2006

ICS:

49.060 Š^cp\ æš/ Å^•[|b\ æ Aerospace electric
^|\ dā} æ] !^ { æš Å ã c { ã equipment and systems

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3155-002

July 2006

ICS 49.060

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

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This European Standard was approved by CEN on 9 March 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This European Standard (EN 3155-002:2006) has been prepared by the AeroSpace and Defense 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 January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 3155-002:2006 (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 plug-in relays, two and four poles — Part 001: Technical specification*¹⁾

EN 2997-001, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, operating temperatures 175 °C continuous, 200 °C continuous, 260 °C peak and fire resistant — Part 001: Technical specification*¹⁾

EN 3205-001, *Aerospace series — Bases for five plug-in relays, two and four poles — Part 001: Technical specification*¹⁾

EN 3206-001, *Aerospace series — Bases for electromagnetic relays, one and three poles — Part 001: Technical specification*¹⁾

EN 3218-001, *Aerospace series — Connector, rectangular, metallic shells, screw-locking — Part 001: Technical specification*¹⁾

EN 3372-001, *Aerospace series — Circular electrical connectors, medium and high density, scoop-proof with bayonet coupling, 175 °C and 200 °C — Part 001: Technical specification*¹⁾

EN 3545-001, *Aerospace series — Connectors, rectangular, with sealed and non-sealed rear, plastic housing, locking device and operating temperatures – 55 °C to 175 °C — Part 001: Technical specification*¹⁾

EN 3708-001, *Aerospace series — Modular interconnection system — Part 001: Technical specification*¹⁾

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⁾

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

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

EN 3155-001, *Aerospace series — Electrical contacts used in elements of connection — Part 001: Technical specification*¹⁾

EN 3645-001, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperatures 175 °C or 200 °C — Part 001: Technical specification*¹⁾

EN 3646-001, *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous — Part 001: Technical specification*¹⁾

EN 3682-001, *Aerospace series — Connectors, plug and receptacle, electrical, rectangular, interchangeable inserts, rack to panel, operating temperature 150 °C continuous— Part 001: Technical specification*¹⁾

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

¹⁾ Published as ASD Pre-standard at the date of publication of this standard.

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 6047
003F2222	200	X													X							
003F2022 ^a	200	X													X							
003F2020	200	X													X							
003F2018	200	X													X							
003F1616	200	X													X							
003F1614	200	X													X							
003F1214	200	X													X							
003F1212	200	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										
005F2020	260	X										X										
005F2018	260	X										X										
005F1616	260	X										X										
005F1614	260	X										X										
005F1618	260	X										X										
005F1212	260	X										X										
006M2226	150	X											X									
006M2222	150	X											X									
006M2220	150	X											X									
007F2226	150	X											X									
007F2222	150	X											X									
007F2220	150	X											X									
008M2222	200	X												X	X	X						
008M2020	200	X												X		X	X					
008M2018	200	X												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	X	X	X					
008F2022 ^a	200	X												X	X	X	X					
009F2222	200	X												X			X					
009F2022 ^a	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							
010M08 ^b	150	X												X			X					

Table 1 (continued)

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 6047		
011F08 ^b	150	X					X									X								
012M08 ^b	200		X				X									X								
013F08 ^b	200		X				X									X								
014M2020	200	X														X								
014M2018	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 ^a	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 ^b	150	X						X				X												
021F10 ^b	150	X						X				X												
022M2220	150	X														X								
023F2220	150	X											X											
024M08 ^b	150	X												X										
025F08 ^b	150	X												X										
026M2222	150	X																				X		
026M2020	150	X																				X		
026M1616	150	X																				X		
026M1212	150	X																				X		
027F2222	150	X																				X		
027F2022 ^a	150	X																				X		
027F2020	150	X																				X		
027F1616	150	X																				X		
027F1212	150	X																				X		
028M16 ^b	150	X																				X		
029F16 ^b	150	X																				X		
030M12 ^b	150	X																				X		
031F12 ^b	150	X																				X		