SLOVENSKI STANDARD
SIST EN 16602-70-61:2022

01-december-2022

Nadomešča:
SIST EN 16602-70-07:2015
SIST EN 16602-70-08:2015
SIST EN 16602-70-38:2019

Zagotavljanje varnih proizvodov v vesoljski tehniki - Visoko zanesljivo spajkanje za površinsko namestitev, mešano tehnologijo in ročno pritrjene električne priključke

Space product assurance - High-reliability soldering for surface mount, mixed technology and hand-mounted electrical connections

Raumfahrtproduktsicherung - Hochzuverlässige Montage von Oberflächen-Befestigungen und Durchgangslochverbindungen

Assurance produit des projets spatiaux - Soudure haute fiabilité pour les connexions électriques à montage en surface, à technologie combinée et montées à la main

Ta slovenski standard je istoveten z: **EN 16602-70-61:2022**

ICS:

25.160.50	Trdo in mehko lotanje	Brazing and soldering
49.140	Vesoljski sistemi in operacije	Space systems and operations

SIST EN 16602-70-61:2022 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 16602-70-61

November 2022

ICS 25.160.50; 49.140

Supersedes EN 16602-70-07:2014, EN 16602-70-08:2015, EN 16602-70-38:2019

English version

Space product assurance - High-reliability soldering for surface mount, mixed technology and hand-mounted electrical connections

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Raumfahrtproduktsicherung - Hochzuverlässige Montage von Oberflächen-Befestigungen und Durchgangslochverbindungen

This European Standard was approved by CEN on 29 August 2022.

CEN and CENELEC 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 and CENELEC 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 and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN and CENELEC members are the national standards bodies and national electrotechnical committees 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

CEN-CENELEC Management Centre:
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European Foreword

This document (EN 16602-70-61:2022) has been prepared by Technical Committee CEN/CLC/JTC 5 “Space”, the secretariat of which is held by DIN (Germany).

This document (EN 16602-70-61:2022) originates from ECSS-Q-ST-70-61C.

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 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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 16602-70-38:2019; EN 16602-70-07:2014; EN 16602-70-08:2015.

This new ECSS Standard (ECSS-Q-ST-70-61C) was created by merging and updating the content of the following three standards:

- ECSS-Q-ST-70-07C “Verification and approval of automatic machine wave soldering”
- ECSS-Q-ST-70-08C “Manual soldering of high-reliability electrical connections”
- ECSS-Q-ST-70-38C Rev.1 “High-reliability soldering for surface-mount and mixed technology”

The intention of this completely new standard was to optimize the structure of the document, following the chronological order of assembly processes and introducing criterion for new technologies that were not covered by the three standards now superseded by this new standard.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association.

This document has been developed to cover specifically space systems and will therefore have precedence over any EN covering the same scope but with a wider do-main of applicability (e.g. : aerospace).

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.