



SLOVENSKI STANDARD SIST EN ISO 10218-1:2025

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Nadomešča:

SIST EN ISO 10218-1:2011

Robotika - Varnostne zahteve - 1. del: Industrijski roboti (ISO 10218-1:2025)

Robotics - Safety requirements - Part 1: Industrial robots (ISO 10218-1:2025)

Robotik - Sicherheitsanforderungen - Teil 1: Industrieroboter (ISO 10218-1:2025)

Robotique - Exigences de sécurité - Partie 1: Robots industriels (ISO 10218-1:2025)

Ta slovenski standard je istoveten z: EN ISO 10218-1:2025

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ICS:	25.040.30	Industrijski roboti. Manipulatorji	Industrial robots. Manipulators
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10218-1

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English Version

**Robotics - Safety requirements - Part 1: Industrial robots
(ISO 10218-1:2025)**

Robotique - Exigences de sécurité - Partie 1: Robots
industriels (ISO 10218-1:2025)

Robotik - Sicherheitsanforderungen - Teil 1:
Industrieroboter (ISO 10218-1:2025)

This European Standard was approved by CEN on 3 January 2025.

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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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 10218-1:2025 (E)

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European foreword

This document (EN ISO 10218-1:2025) has been prepared by Technical Committee ISO/TC 299 "Robotics" in collaboration with Technical Committee CEN/TC 310 "Advanced automation technologies and their applications" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by September 2025, and conflicting national standards shall be withdrawn at the latest by March 2027.

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 ISO 10218-1:2011.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 10218-1:2025 has been approved by CEN as EN ISO 10218-1:2025 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered

This European Standard has been prepared under a Commission's standardization request "M/396 Mandate to CEN and CENELEC for Standardisation in the field of machinery" to provide one voluntary means of conforming to essential requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast).

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive, and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Annex I of Directive 2006/42/EC

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
1.1.2. a Principles of safety integration	5, 6, 7	
1.1.2. c Principles of safety integration	5, 6, 7	
1.1.2. d Principles of safety integration	5, 6, 7	
1.1.2. e Principles of safety integration	5, 6, 7	
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1.5.6. Fire	5.1.6	
1.5.7. Explosion		Not covered
1.5.8. Noise		Not covered
1.5.9 Vibrations	5.10.2	
1.5.10. Radiation		Not covered
1.5.11. External radiation		Not covered
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