

STN	Identifikačný odkaz Časť 2: Typy/modely, šarže/dávky, položky a charakteristiky	STN EN IEC 61406-2 36 9724
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Identification link - Part 2: Types/models, lots/batches, items and characteristics

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/24

Obsahuje: EN IEC 61406-2:2024, IEC 61406-2:2024

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NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61406-2

June 2024

ICS 35.040.50; 35.240.15

English Version

**Identification link - Part 2: Types/models, lots/batches, items and
characteristics
(IEC 61406-2:2024)**

Lien d'identification - Partie 2: Types/modèles, lots/lots
unitaires, éléments et caractéristiques
(IEC 61406-2:2024)

Identifizierungslink - Teil 2: Typen/Modelle, Lose/Chargen,
Artikel und Merkmale
(IEC 61406-2:2024)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

EN IEC 61406-2:2024 (E)**European foreword**

The text of document 65E/1075/FDIS, future edition 1 of IEC 61406-2, prepared by SC 65E "Devices and integration in enterprise systems" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61406-2:2024.

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 62507-1:2010	NOTE	Approved as EN 62507-1:2011 (not modified)
IEC 62569-1:2017	NOTE	Approved as EN 62569-1:2017 (not modified)

EN IEC 61406-2:2024 (E)**Annex ZA**
(normative)**Normative references to international publications
with their corresponding European publications**

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-351	-	International Electrotechnical Vocabulary - Part 351: Control technology	-	-
IEC 61406-1	2022	Identification Link – Part 1: General requirements	EN IEC 61406-1	2022
ISO/IEC 15418	-	Information technology_ - Automatic identification and data capture techniques_ - GS1 Application Identifiers and ASC_MH10 Data Identifiers and maintenance	-	-
ISO/IEC 19762	2016	Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary	-	-
ANSI MH 10.8.2	-	Data Identifier and Application Identifier Standard	-	-
IETF RFC 3986	2005	Uniform Resource Identifier (URI): Generic Syntax	-	-



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Edition 1.0 2024-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Identification link –

Part 2: Types/models, lots/batches, items and characteristics

Lien d'identification –

Partie 2: Types/modèles, lots/lots unitaires, éléments et caractéristiques

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IEC 61406-2

Edition 1.0 2024-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Identification link –**Part 2: Types/models, lots/batches, items and characteristics****Lien d'identification –****Partie 2: Types/modèles, lots/lots unitaires, éléments et caractéristiques**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

IDENTIFICATION LINK –

Part 2: Types/models, lots/batches, items and characteristics

FOREWORD

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IEC 61406-2 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
65E/1075/FDIS	65E/1081/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 61406 series, published under the general title *Identification Link*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

For the encoded Identification Link (IL) string in IEC 61406-1 basic assumptions are:

- the Identification Link designates and links to exactly one individual physical object;
- the Identification Link does not require any additional syntactical or semantical intelligence to use it.

In practice, these two assumptions do not always apply. IEC 61406-2 closes these gaps by specifying additional requirements for cases where:

- data elements with standardized syntax and semantics are encoded in the Structured Identification Link, which gives further information about the kind of identified object, for example product, person, location or document. It can contain additional data elements or classifications;
- for products, the Structured Identification Link can designate and link to the unique information of lots/batches or product codes, and is not limited to the uniqueness of individual items.

IDENTIFICATION LINK –

Part 2: Types/models, lots/batches, items and characteristics

1 Scope

The part of IEC 61406 complements IEC 61406-1 by providing additional requirements for those cases where data elements are encoded within the Structured Identification Link string with standardized syntax and semantics.

In addition, this document covers cases where the uniqueness relates to product types/models or lots/batches. The default assumption is that the Identification Link identifies unique objects such as unique serialized products, assets, persons or packages, unless otherwise identified.

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.

IEC 60050-351, *International Electrotechnical Vocabulary (IEV) – Part 351: Control technology* (available at www.electropedia.org)

IEC 61406-1:2022, *Identification Link – Part 1: General requirements*

ISO/IEC 15418, *Information technology – Automatic identification and data capture techniques – GS1 Application Identifiers and ASC MH10 Data Identifiers and maintenance*

ISO/IEC 19762:2016, *Information technology – Automatic identification and data capture (AIDC) techniques – Harmonized vocabulary*

ANSI MH10.8.2, *Data Identifier*

IETF RFC 3986:2005, *Uniform Resource Identifier (URI): Generic Syntax*

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