

STN	Automatizácia v budovách a riadiace systémy (BACS) Časť 2: Hardvér (ISO 16484-2: 2025)	STN EN ISO 16484-2 74 7400
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Building automation and control systems (BACS) - Part 2: Hardware (ISO 16484-2:2025)

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. 04/25

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English Version

**Building automation and control systems (BACS) - Part 2:
Hardware (ISO 16484-2:2025)**

Systèmes d'automatisation et de contrôle des
bâtiments (BACS) - Partie 2: Matériel (ISO 16484-
2:2025)

Systeme der Gebäudeautomation - Teil 2: Hardware
(ISO 16484-2:2025)

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European foreword

This document (EN ISO 16484-2:2025) has been prepared by Technical Committee ISO/TC 205 "Building environment design" in collaboration with Technical Committee CEN/TC 247 "Building Automation, Controls and Building Management" the secretariat of which is held by SNV.

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of an identical text or by endorsement, at the latest by August 2025, and conflicting national standards shall be withdrawn at the latest by August 2025.

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Endorsement notice

The text of ISO 16484-2:2025 has been approved by CEN as EN ISO 16484-2:2025 without any modification.



International Standard

ISO 16484-2

Building automation and control systems (BACS) —

Part 2: Hardware

*Systèmes d'automatisation et de contrôle des bâtiments
(BACS) —*

Partie 2: Matériel

**Second edition
2025-01**

ISO 16484-2:2025(en)



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ISO 16484-2:2025(en)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 205, *Building environment design*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 247, *Building Automation, Controls and Building Management*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 16484-2:2004), which has been technically revised.

The main changes are as follows:

- overall structure of document has been updated;
- Clause 1, Clause 2 and Clause 3 have been revised;
- technical content throughout the document has been modified and updated.

A list of all parts in the ISO 16484 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Building automation and control systems (BACS) —

Part 2: Hardware

1 Scope

This document specifies the hardware requirements needed to carry out building automation tasks.

This document is applicable to physical devices, i.e.:

- devices that require human interaction, such as management stations or operator panels;
- devices for data storage and analysis, such as edge or cloud servers;
- devices for control applications, such as automation stations;
- devices for physical quantities acquisition, such as sensors and actuators.

This document provides a generic system topology based on a building network infrastructure, which includes both the devices inside the building envelope and those outside the building envelope.

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 60529, *Degrees of protection provided by enclosures (IP code)*

IEC/TR 62443-3-1, *Industrial communication networks — Network and system security — Part 3-1: Security technologies for industrial automation and control systems*

IEC 62443-3-3, *Industrial communication networks — Network and system security — Part 3-3: System security requirements and security levels*

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