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| <b>STN</b> | <b>Integrácia softvérového nástroja (FDI)<br/>Časť 115-2: Profily<br/>Modbus-RTU</b> | <b>STN<br/>EN IEC<br/>62769-115-2</b><br><br>18 4012 |
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Field device integration (FDI) - Part 115-2: Profiles - Modbus-RTU

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. 01/21

Obsahuje: EN IEC 62769-115-2:2020, IEC 62769-115-2:2020

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**EN IEC 62769-115-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2020

ICS 25.040.40; 35.100.05

English Version

**Field device integration (FDI) - Part 115-2: Profiles - Modbus-RTU  
(IEC 62769-115-2:2020)**

Intégration des appareils de terrain (FDI) - Partie 115-2:  
Profils - Modbus-RTU  
(IEC 62769-115-2:2020)

Feldgeräteintegration (FDI) - Teil 115-2: Profile - Modbus-RTU  
(IEC 62769-115-2:2020)

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**EN IEC 62769-115-2:2020 (E)****European foreword**

The text of document 65E/740/FDIS, future edition 1 of IEC 62769-115-2, 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 62769-115-2:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-07-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-10-30

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The text of the International Standard IEC 62769-115-2:2020 was approved by CENELEC as a European Standard without any modification.

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

IEC 61784-2            NOTE    Harmonized as EN IEC 61784-2

IEC 61804 (series)    NOTE    Harmonized as EN IEC 61804 (series)

## 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.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>   | <u>EN/HD</u>   | <u>Year</u> |
|--------------------|-------------|--|----------------|-------------|
| IEC 61784-1        | -           | Industrial communication networks - Profiles<br>Part 1: Fieldbus profiles                        | EN IEC 61784-1 | -           |
| IEC 61804          | series      | Function blocks (FB) for process control and<br>electronic device description language<br>(EDDL) | EN IEC 61804   | series      |
| IEC 62541-100      | -           | OPC Unified Architecture - Part 100: Device<br>Interface   | EN 62541-100   | -           |
| IEC 62769-2        | -           | Field Device Integration (FDI) - Part 2: FDI<br>Client   | -              | -           |
| IEC 62769-4        | -           | Field Device Integration (FDI) - Part 4: FDI<br>Packages   | -              | -           |
| IEC 62769-5        | -           | Field Device Integration (FDI) - Part 5: FDI<br>Information Model                                | -              | -           |
| IEC 62769-7        | -           | Field Device Integration (FDI) - Part 7: FDI<br>Communication Devices                            | -              | -           |
| MOD06              | -           | Modbus.org: MODBUS over serial line<br>specification and implementation guide V1.02              | -              | -           |
| MOD12              | -           | Modbus.org: MODBUS application protocol<br>specification, V1.1b3                                 | -              | -           |



IEC 62769-115-2

Edition 1.0 2020-09

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Field device integration (FDI) –  
Part 115-2: Profiles – Modbus-RTU**

**Intégration des appareils de terrain (FDI) –  
Partie 115-2: Profils – Modbus-RTU**



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IEC 62769-115-2

Edition 1.0 2020-09

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Field device integration (FDI) –  
Part 115-2: Profiles – Modbus-RTU**

**Intégration des appareils de terrain (FDI) –  
Partie 115-2: Profils – Modbus-RTU**

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**FIELD DEVICE INTEGRATION (FDI) –****Part 115-2: Profiles – Modbus-RTU****FOREWORD**

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FCG\_TS62769-115-2\_Profiles\_PSD ModbusRTU\_1.1.0.4, a specification of the FieldComm Group, PROFIBUS Nutzerorganisation e. V., OPC Foundation and FDT Group, has served as a basis for the elaboration of this standard.

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

| FDIS         | Report on voting |
|--------------|------------------|
| 65E/740/FDIS | 65E/744/RVD      |

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62769 series, published under the general title *Field Device Integration (FDI)*, 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 "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## FIELD DEVICE INTEGRATION (FDI) –

### Part 115-2: Profiles – Modbus-RTU

#### 1 Scope

This part of IEC 62769 defines the protocol-specific definitions (PSDs) as defined in IEC 62769-7 on generic protocol extensions for the Modbus®<sup>1</sup>-RTU protocol in accordance with CPF 15 in IEC 61784-2.

#### 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 61784-1, *Industrial communication networks – Profiles – Part 1: Fieldbus profiles*

IEC 61804 (all parts), *Function blocks (FB) for process control and Electronic Device Description Language (EDDL)*

IEC 62541-100, *OPC Unified Architecture – Part 100: Device Interface*

IEC 62769-2, *Field Device Integration (FDI) – Part 2: FDI Client*

IEC 62769-4, *Field Device Integration (FDI) – Part 4: FDI Packages*

IEC 62769-5, *Field Device Integration (FDI) – Part 5: FDI Information Model*

IEC 62769-7, *Field Device Integration (FDI) – Part 7: FDI Communication Devices*

MOD06, *Modbus.org: MODBUS over serial line specification and implementation guide V1.02*

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**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**