

STN	Integrácia softvérového nástroja (FDI)® Časť 103-4: Profily PROFINET	STN EN IEC 62769-103-4 18 4012
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Field Device Integration (FDI) - Part 103-4: PROFINET

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. 07/23

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English Version

**Field Device Integration (FDI)® - Part 103-4: PROFINET
(IEC 62769-103-4:2023)**

Intégration des appareils de terrain (FDI)® - Partie 103-4:
PROFINET
(IEC 62769-103-4:2023)

Feldgeräteintegration (FDI) - Teil 103-4: Profile -
PROFINET
(IEC 62769-103-4:2023)

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

EN IEC 62769-103-4:2023 (E)**European foreword**

The text of document 65E/863/CDV, future edition 3 of IEC 62769-103-4, 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 62769-103-4:2023.

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) 2024-02-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-05-23

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

IEC 61804-3 NOTE Approved as EN IEC 61804-3

IEC 61804-4 NOTE Approved as EN IEC 61804-4

IEC 62769 (series) NOTE Approved as EN IEC 62769 (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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61158-5-10	-	Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements	EN IEC 61158-5-10	-
IEC 61804	series	Devices and integration in enterprise systems - Function blocks (FB) for process control and electronic device description language (EDDL)	EN IEC 61804	series
IEC 61784-2	-	Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3	EN IEC 61784-2	-
IEC 62541-100	2015	OPC Unified Architecture - Part 100: Device Interface	EN 62541-100	2015
IEC 62769-2	-	Field Device Integration (FDI®) - Part 2: Client	EN IEC 62769-2	-
IEC 62769-4	-	Field Device Integration (FDI®) - Part 4: FDI Packages	EN IEC 62769-4	-
IEC 62769-5	-	Field Device Integration (FDI®) - Part 5: FDI Information Model	EN IEC 62769-5	-
IEC 62769-6	-	Field Device Integration (FDI®) - Part 6: FDI Technology Mappings	EN IEC 6269-6	-
IEC 62769-7	-	Field Device Integration (FDI®) - Part 7: Communication Devices	EN IEC 62769-7	-
PI Order No.: 2.122	2008	Specification for PROFIBUS - Device Description and Device Integration - Volume 1; GSD, V5.1, July 2008: GSD	-	-



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Field Device Integration (FDI)[®] –
Part 103-4: PROFINET**

**Intégration des appareils de terrain (FDI)[®] –
Partie 103-4: PROFINET**



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IEC 62769-103-4

Edition 3.0 2023-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Field Device Integration (FDI)[®] –
Part 103-4: PROFINET**

**Intégration des appareils de terrain (FDI)[®] –
Partie 103-4: PROFINET**

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IEC 62769-103-4 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.

This third edition cancels and replaces the second edition published in 2020. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) added DeviceType to ProfinetIdentificationT;
- b) added namespace to Annex A and Annex B;
- c) added mapping rule for Device type when running in profile mode;
- d) replaced GSD file with GSDML file, detailing of device type mapping;
- e) added mapping to PA DIM.

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

Draft	Report on voting
65E/863/CDV	65E/920/RVC

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/standardsdev/publications.

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.

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FIELD DEVICE INTEGRATION (FDI®) –

Part 103-4: PROFINET

1 Scope

This part of IEC 62769 specifies an FDI®¹ profile of IEC 62769 for IEC 61784-2_CP 3/4, IEC 61784-2_CP3/5 and IEC 61784-2_CP3/6 (PROFINET²).

2 Normative references

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IEC 61158-5-10, *Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements*

IEC 61784-2, *Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3*

IEC 61804 (all parts), *Devices and integration in enterprise systems – Function blocks (FB) for process control and electronic device description language (EDDL)*

IEC 62541-100:2015, *OPC unified architecture – Part 100: Device Interface*

IEC 62769-2, *Field device integration (FDI®) – Part 2: Client*

IEC 62769-4, *Field device integration (FDI®) – Part 4: FDI® Packages*

IEC 62769-5, *Field device integration (FDI®) – Part 5: Information Model*

IEC 62769-6, *Field device integration (FDI®) – Part 6: Technology Mapping*

IEC 62769-7, *Field device integration (FDI®) – Part 7: Communication devices*

PI Order No.: 2.122:2008, *Specification for PROFIBUS – Device Description and Device Integration – Volume 1: GSD, V5.1, July 2008: GSD*; available at <www.PROFIBUS.com>

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PI Order No.: 2.352:2014, *GSDML Specification for PROFINET IO*; available at
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