

# SLOVENSKI STANDARD

## SIST EN 61784-3-2:2018

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Nadomešča:

SIST EN 61784-3-2:2010

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### Industrijska komunikacijska omrežja - Profili - 3-2. del: Funkcijska varnost procesnih vodil - Dodatne specifikacije za CPF 2 (IEC 61784-3-2:2016)

Industrial communication networks - Profiles - Part 3-2: Functional safety fieldbuses - Additional specifications for CPF 2 (IEC 61784-3-2:2016)

Industrielle Kommunikationsnetze - Profile - Teil 3-2: Funktionale sichere Übertragung bei Feldbussen - Zusätzliche Festlegungen für die Kommunikationsprofilfamilie 2 (IEC 61784-3-2:2016)

Réseaux de communication industriels - Profils - Partie 3-2: Bus de terrain de sécurité fonctionnelle - Spécifications supplémentaires pour CPF 2 (IEC 61784-3-2:2016)

**Ta slovenski standard je istoveten z: EN 61784-3-2:2017**

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EUROPEAN STANDARD

**EN 61784-3-2**

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**Industrial communication networks - Profiles - Part 3-2:  
Functional safety fieldbuses - Additional specifications for CPF 2  
(IEC 61784-3-2:2016)**

Réseaux de communication industriels - Profils - Partie 3-2:  
Bus de terrain de sécurité fonctionnelle - Spécifications  
supplémentaires pour CPF 2  
(IEC 61784-3-2:2016)

Industrielle Kommunikationsnetze - Profile - Teil 3-2:  
Funktional sichere Übertragung bei Feldbussen -  
Zusätzliche Festlegungen für die  
Kommunikationsprofilfamilie 2  
(IEC 61784-3-2:2016)

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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

**EN 61784-3-2:2017****European foreword**

The text of document 65C/851/FDIS, future edition 3 of IEC 61784-3-2, prepared by SC 65C "Industrial networks", of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61784-3-2:2017.

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- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-05-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-11-10

This document supersedes EN 61784-3-2:2010.

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**Endorsement notice**

The text of the International Standard IEC 61784-3-2:2016 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 61000-6-7	NOTE	Harmonized as EN 61000-6-7.
IEC 61131-6	NOTE	Harmonized as EN 61131-6.
IEC 61158 (all parts)	NOTE	Harmonized as EN 61158 (all parts).
IEC 61496 (all parts)	NOTE	Harmonized as EN 61496 (all parts).
IEC 61508-1:2010	NOTE	Harmonized as EN 61508-1:2010 (not modified).
IEC 61508-4:2010	NOTE	Harmonized as EN 61508-4:2010 (not modified).
IEC 61508-5:2010	NOTE	Harmonized as EN 61508-5:2010 (not modified).
IEC 61511 (all parts)	NOTE	Harmonized as EN 61511 (all parts).
IEC 61784-5 (all parts)	NOTE	Harmonized as EN 61784-5 (all parts).
IEC 61800-5-2	NOTE	Harmonized as EN 61800-5-2.
IEC 62061	NOTE	Harmonized as EN 62061.
IEC 62443 (all parts)	NOTE	Harmonized as prEN 62443 (all parts)
IEC/TR 62685	NOTE	Harmonized as CLC/TR 62685.
ISO 10218-1	NOTE	Harmonized as EN ISO 10218-1.
ISO 12100	NOTE	Harmonized as EN ISO 12100.
ISO 13849 (all parts)	NOTE	Harmonized as EN ISO 13849 (all parts).
IEC 62026-3	NOTE	Harmonized as EN 62026-3.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

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).

Publication	Year	Title	EN/HD	Year
IEC 61131-2	-	Industrial-process measurement and control – Programmable controllers – Part 2: Equipment requirements and tests	EN 61131-2	-
IEC 61131-3	-	Programmable controllers - Part 3: Programming languages	EN 61131-3	-
IEC 61158-2	-	Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition	EN 61158-2	-
IEC 61158-3-2	-	Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements	EN 61158-3-2	-
IEC 61158-3-19	-	Industrial communication networks - Fieldbus specifications - Part 3-19: Data-link layer service definition - Type 19 elements	EN 61158-3-19	-
IEC 61158-4-2	-	Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements	EN 61158-4-2	-
IEC 61158-4-19	-	Industrial communication networks - Fieldbus specifications - Part 4-19: Data-link layer protocol specification - Type 19 elements	EN 61158-4-19	-
IEC 61158-5-2	-	Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements	EN 61158-5-2	-
IEC 61158-5-19	-	Industrial communication networks - Fieldbus specifications - Part 5-19: Application layer service definition - Type 19 elements	EN 61158-5-19	-
IEC 61158-6-2	-	Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - Type 2 elements	EN 61158-6-2	-
IEC 61158-6-19	-	Industrial communication networks - Fieldbus specifications - Part 6-19: Application layer protocol specification - Type 19 elements	EN 61158-6-19	-

## EN 61784-3-2:2017

IEC 61326-3-1	-	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications	EN 61326-3-1	-
IEC 61326-3-2	-	Electrical equipment for measurement, control and laboratory use $\zeta$ EMC requirements $\zeta$ Part 3-2: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) $\zeta$ Industrial applications with specified electromagnetic environment	-	-
IEC 61508	series	Functional safety of electrical/electronic/programmable electronic safety-related systems	EN 61508	series
IEC 61784-1	-	Industrial communication networks - Profiles - Part 1: Fieldbus profiles	EN 61784-1	-
IEC 61784-2	-	Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3	EN 61784-2	-
IEC 61784-3	-	Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions	EN 61784-3	-
IEC 61784-5-2	-	Industrial communication networks - Part 5-2: Installation of fieldbuses - Installation profiles for CPF 2	EN 61784-5-2	-
IEC 61918 (mod)	-	Industrial communication networks - Installation of communication networks in industrial premises	EN 61918	-
ISO 13849-1	2006	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	EN ISO 13849-1	2008
ISO 15745-2	2003	Industrial automation systems and integration - Open systems application integration framework - Part 2: Reference description for ISO 11898-based control systems	-	-
ISO 15745-3	2003	Industrial automation systems and integration - Open systems application integration framework - Part 3: Reference description for IEC 61158 based control systems	-	-
ISO 15745-4	2003	Industrial automation systems and integration - Open systems application integration framework - Part 4: Reference description for Ethernet-based control systems	-	-



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Industrial communication networks – Profiles –  
Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2**

**Réseaux de communication industriels – Profils –  
Partie 3-2: Bus de terrain de sécurité fonctionnelle – Spécifications  
supplémentaires pour CPF 2**

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