

<b>STN</b>	<b>Priemyselné siete Profily Časť 5-8: Inštalácia prevádzkových zberníc Inštalačné profily pre rad komunikačných profilov CPF 8</b>	<b>STN EN IEC 61784-5-8</b>  18 4020
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Industrial networks - Profiles - Part 5-8: Installation of fieldbuses - Installation profiles for CPF 8

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. 07/24

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NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN IEC 61784-5-8:2018

English Version

**Industrial networks - Profiles - Part 5-8: Installation of fieldbuses  
- Installation profiles for CPF 8  
(IEC 61784-5-8:2024)**

Réseaux industriels - Profils - Partie 5-8: Installation des  
bus de terrain - Profils d'installation pour la CPF 8  
(IEC 61784-5-8:2024)

Industrielle Kommunikationsnetze - Profile - Teil 5-8:  
Feldbusinstallation - Installationsprofile für die  
Kommunikationsprofilfamilie 8  
(IEC 61784-5-8:2024)

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**EN IEC 61784-5-8:2024 (E)****European foreword**

The text of document 65C/1280/FDIS, future edition 3 of IEC 61784-5-8, 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 IEC 61784-5-8:2024.

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## Annex ZA (normative)

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

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61918	2018	Industrial communication networks - Installation of communication networks in industrial premises	EN IEC 61918	2018 <sup>1</sup>
-	-		+ A11	2019
-	-		+ A12	2023
-	-		+ AC	2019-03
+ AMD1	2022		+ A1	2022
+ AMD2	2024		+ A2	2024

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<sup>1</sup> The normative references of EN IEC 61918:2018, EN IEC 61918:2018/A11:2019, EN IEC 61918:2018/A12:2023, EN IEC 61918:2018/AC:2019-03, EN IEC 61918:2018/A1:2022, and EN IEC 61918:2018/A2:2024 apply.



IEC 61784-5-8

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Industrial networks – Profiles –  
Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8**

**Réseaux industriels – Profils –  
Partie 5-8: Installation des bus de terrain – Profils d'installation pour la CPF 8**





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IEC 61784-5-8

Edition 3.0 2024-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Industrial networks – Profiles –  
Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8**

**Réseaux industriels – Profils –  
Partie 5-8: Installation des bus de terrain – Profils d'installation pour la CPF 8**

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COMMISSION

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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## INDUSTRIAL NETWORKS – PROFILES –

### Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8

#### FOREWORD

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This document is to be used in conjunction with IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024.

This third edition cancels and replaces the second edition published in 2018. This edition constitutes a technical revision.

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

a) Annex E and related references have been added.

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

Draft	Report on voting
65C/1280/FDIS	65C/1295/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 the 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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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## INTRODUCTION

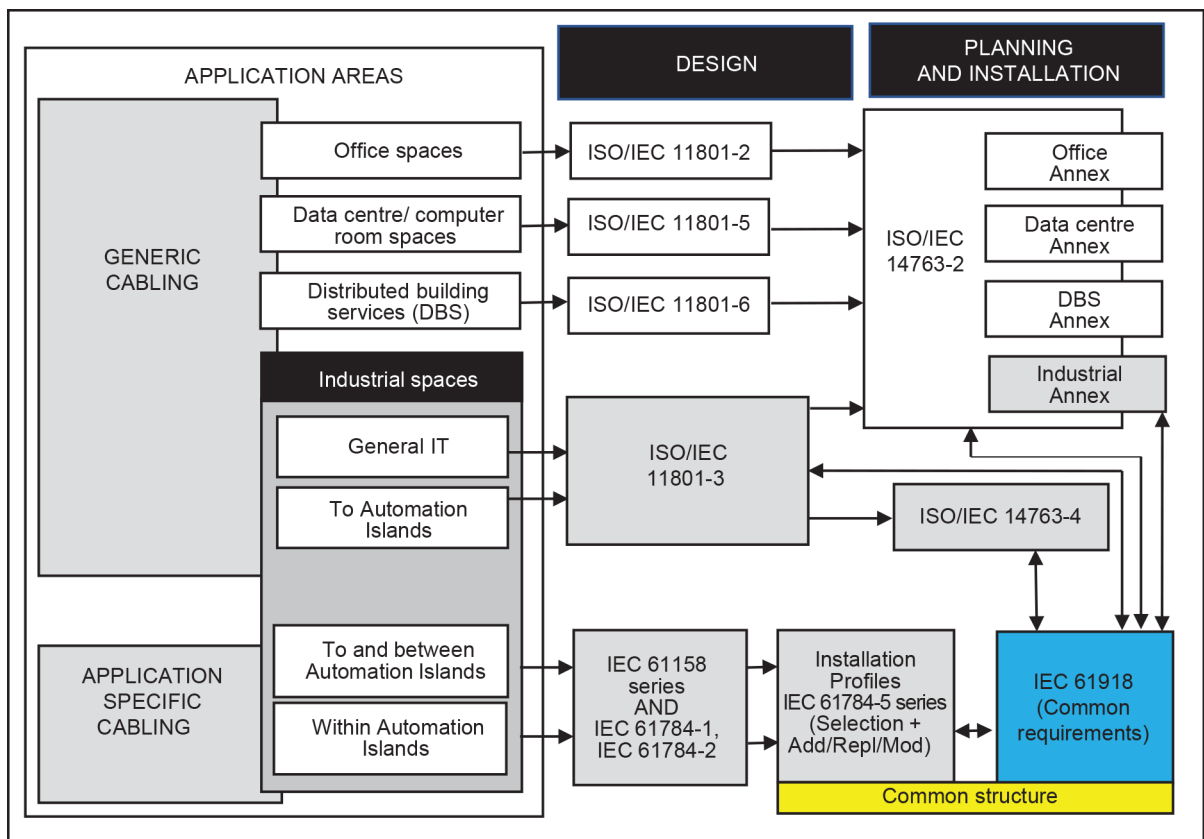
This document is one of a series produced to facilitate the use of communication networks in industrial control systems.

IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024 provide the common requirements for the installation of communication networks in industrial control systems. This installation profile standard provides the installation profiles of the communication profiles (CP) of a specific communication profile family (CPF) by stating which requirements of IEC 61918:2018 and IEC 61918:2018/AMD1:2022 fully apply and, where necessary, by supplementing, modifying, or replacing the other requirements (see Figure 1).

For general background on fieldbuses, their profiles, and relationship between the installation profiles specified in this document, see IEC 61158-1.

Each CP installation profile is specified in a separate annex of this document. Each annex is structured exactly as the reference standard IEC 61918:2018 for the benefit of the persons representing the roles in the fieldbus installation process as defined in IEC 61918:2018 (planner, installer, verification personnel, validation personnel, maintenance personnel, administration personnel). By reading the installation profile in conjunction with IEC 61918:2018, these persons immediately know which requirements are common for the installation of all CPs and which are modified or replaced. The conventions used to draft this document are defined in Clause 5.

The provision of the installation profiles in one standard for each CPF (for example IEC 61784-5-8 for CPF 8) allows readers to work with standards of a convenient size.



IEC

Figure 1 – Standards relationships

## INDUSTRIAL NETWORKS – PROFILES –

### Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8

#### 1 Scope

This part of IEC 61784-5 specifies the installation profiles for CPF 8 (CC-Link™<sup>1</sup>).

The installation profiles are specified in the annexes. These annexes are read in conjunction with IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024.

#### 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 61918:2018<sup>2</sup>, *Industrial communication networks – Installation of communication networks in industrial premises*  
IEC 61918:2018/AMD1:2022  
IEC 61918:2018/AMD2:2024

NOTE For profile specific normative references, see Clauses A.2, B.2, and E.2 respectively.

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

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<sup>1</sup> CC-Link™, CC-Link/LT™ and CC-Link IE™ are trade names of Mitsubishi Electric Co., control of trade name use is given to CCLink Partner Association. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of the trademark holder or any of its products. Compliance to this profile does not require use of the trade name. Use of the trade name requires permission of the trade name holder.

<sup>2</sup> The normative references of IEC 61918:2018, Clause 2, IEC 61918:2018/AMD1:2022, Clause 2 and IEC 61918:2018/AMD2:2024, Clause 2, apply.